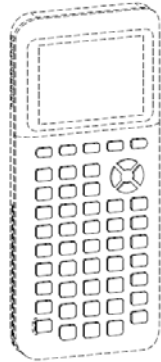


TO THE COMMISSIONER FOR TRADEMARKS



Mark:

Serial Number: not yet assigned

Filing Date: _____

Applicant: Texas Instruments Incorporated

Applicant's Address: 12500 TI Boulevard, Dallas, TX 75243-4136

Commissioner for Trademarks

P.O. Box 1451

Alexandria, VA 22313-1451

Declaration of Martha Ann Sandstedt

I, Martha Ann Sandstedt, hereby declare:

1. I am Worldwide Marketing Director, Education Technology, for Applicant, Texas Instruments Incorporated.

2. Certain calculators sold by Applicant are referred to as ***graphing calculators***, so named for the calculator's ability to plot graphs, while having other features. Exhibit A illustrates a set of Applicant's designs over an historical time line of its graphing calculators up until the current time, and each design bears a trademark beginning with TI-8. The TI-8 trademarks are also printed on Exhibit A below each design. Printed above each design in Exhibit A is the year the design was first marketed and available for purchase by at least United States consumers. Thus:

(i) in 1990, the TI-81 was first offered for sale to consumers.

(ii) in 1993, the TI-82 was first offered for sale to consumers.

(iii) in 1996, the TI-83 was first offered for sale to consumers.

(iv) in 1999, the TI-83 Plus (and TI-83 Plus Silver Edition) was first offered for sale to consumers.

(v) in 2004, the TI-84 Plus (and TI-84 Plus Silver Edition) was first offered for sale to consumers.

(vi) in 2013, the TI-84 Plus Silver C Edition was first offered for sale to consumers.

(vii) in 2015, the TI-84 Plus CE was first offered for sale to consumers.

3. Because each Exhibit A design bears a trademark beginning with TI-8, then this document will refer to the devices, or the entire historical line of these graphical calculators, as TI-8X devices, so the “X” in TI-8X is intended to represent a variable that changes in the trademark that is borne by different ones of Applicant’s graphing calculators. Thus, Exhibit A in its entirety illustrates what is hereafter referred to as the *Historic Transition* of TI-8X calculators.

4. Certain of the respective TI-8X trademarks have been registered in the U.S. Patent and Trademark Office (*see*, U.S. trademark registrations 3211486, 3283083, 2581954).

5. Applicant has *affirmatively included certain common attributes* (hereinafter, the Common Product Design) in each and every design in the *Historic Transition* of TI-8X calculators, from 1990 to the present, associating each design with the others in the *Historic Transition* and with Applicant, those attributes including:

(i) a consistent upper keypad design, hereafter referred to as the 5-33DC-5 Configuration, consisting of the following:

(1) a first row of keys, consisting of *five* keys, beneath the display for each respective device design;

(2) beneath the aforesaid first row of keys, and starting from the left of the design, a second row of keys, consisting of *three* keys;


(3) beneath the aforesaid second row of keys, and starting from the left of the design, a third row of keys, consisting of *three* keys;

(4) beneath the aforesaid first row of keys, and starting from the right of the design, a grouping of four *direction control* keys in a separate shape and/or orientation unaligned relative to, and positioned to the right of, said second and third rows of keys (the grouping further providing respective directionality functions); and

(5) beneath the aforesaid first through third rows, seven rows of keys, each having a set of *five* keys; and

(ii) an association of the *5-33DC-5 Configuration* to Applicant, via plural trademarks, as follows:

(1) a company-identifying trademark “TEXAS INSTRUMENTS”;

(2) a company-identifying trademark  ; and

(3) a TI-8X trademark located above the display for each respective device design.

6. The above-noted plural trademarks include the company-identifying trademark of “TEXAS INSTRUMENTS,” under which Applicant advertises and sells goods and services and for which it owns U.S. trademark registrations 1221490 and 2603875.

7. U.S. trademark registration 2603875, for the company-identifying trademark “TEXAS INSTRUMENTS,” recites the goods of “calculators.”


8. The above-noted plural trademarks include the company-identifying trademark of “TI,” under which Applicant advertises and sells goods and services and for which it owns U.S. trademark registrations 0955376, 1198564, 2250065, 2634930.

9. U.S. trademark registration 1198564, for the company-identifying trademark “TI,” recites the goods of “electronic calculators.”

10. The above-noted plural trademarks include the company-identifying trademark of:



under which Applicant advertises and sells goods and for which it owns U.S. trademark registration 2250065.

11. U.S. trademark registration 2250065, for the company-identifying trademark  recites, among other things, the goods of “hand-held, scientific, general purpose, and business calculators.”

12. The above-noted plural trademarks include the company-identifying trademark of:



under which Applicant advertises and sells goods and for which it owns U.S. trademark registration 3717043.

13. U.S. trademark registration 3717043, for the above-illustrated company-identifying trademark recites, among other things, the goods of “calculators.”

14. As detailed in sections below, during the entirety of the *Historic Transition* of TI-8X calculators, the Common Product Design, including the *5-33DC-5 Configuration*, has been associated with Applicant via various manners, including:

(i) Retail association of the Common Product Design, including the *5-33DC-5 Configuration*, to Applicant;

(ii) Applicant Impression of the Common Product Design, including the *5-33DC-5 Configuration*, to consumer students and educators;

(iii) Third Party Recognition of the Common Product Design, including the *5-33DC-5 Configuration*; and

(iv) Sales of the Common Product Design, including the *5-33DC-5 Configuration*.

Retail association of the Common Product Design, including the 5-33DC-5 Configuration, to Applicant

15. From at least 1995 to the present, at least the following major United States retailers have displayed and sold TI-8X calculators having the Common Product Design, including the *5-33DC-5 Configuration*, and as of the present time such displays and sales are provided both in-store and online:

(i) Walmart;

(ii) Target;


(iii) Best Buy;


(iv) Office Depot;

(v) Office Max (as a separate entity, prior to becoming affiliated with Office Depot, in 2013); and

(vi) Staples.

16. In the retail sales of the retailers in paragraph 15, and since 1990 to the present, every TI-8X calculator was sold with either packaging depicting an image of the Common Product Design, including the *5-33DC-5 Configuration*, and one or more of


Applicant's trademarks of "TEXAS INSTRUMENTS" and  , or with clear packaging through which the Common Product Design, including the *5-33DC-5 Configuration*, and one or more of Applicant's trademarks of "TEXAS


INSTRUMENTS" and  are visible, or on a graphic card representation of the Common Product Design, including the *5-33DC-5 Configuration*. Examples of such packaging are shown in Exhibit B (*see*, Exhibits B1 through B4), as may be depicted at some or all of the subject retailers based on season (*e.g.*, more prevalent during back to school season).

17. For the retail sales of the retailers in paragraph 15 and others, exemplary advertisements (including depictions from Internet web stores) for each such retailer is listed below in which the Common Product Design, including the *5-33DC-5 Configuration*, is associated with one or more of Applicant's trademarks of "TEXAS

INSTRUMENTS" and  :

- (i) Walmart: Exhibits B5, B6
- (ii) Target: Exhibits B7, B8
- (iii) Best Buy: Exhibit B9
- (iv) Office Depot/Office Max: Exhibits B10, B11
- (v) Staples: Exhibits B12, B13
- (vi) general retailer floor display: Exhibit B14

18. Retailers also have featured the Common Product Design, including the *5-33DC-5 Configuration*, and associated with one or more of Applicant's company-identifying trademarks of "TEXAS INSTRUMENTS" and  , through in-store banners, window graphics and television advertisements.

19. Online retailers, reseller services, and even third parties that can include individuals, display and sell TI-8X calculators, in association with one or more of Applicant's company-identifying trademarks of "TEXAS INSTRUMENTS" and  , as shown by examples in Exhibit C, as follows:

- (i) Amazon: Exhibit C1

(ii) Craigslist: Exhibits C2, C3

(iii) Ebay: Exhibit C4

Applicant Impression of the Common Product Design to consumer students and educators


20. From at least 2004 to the present, Applicant has promoted and depicted the Common Product Design, including the *5-33DC-5 Configuration*, in software emulators for use by consumer educators in classrooms and for consumer students use in exams, that is, the emulator comprises computer software that displays the Common Product Design, including the *5-33DC-5 Configuration*, on a computer display. Such emulators include Applicant's TI-SmartView Emulator and ExamCalc software. Even earlier than 2004, Applicant provided a TI-8X Viewscreen Calculator and Panel, in conjunction with a transparency of the calculator or a poster of the calculator, thereby depicting the Common Product Design, including the *5-33DC-5 Configuration*.


21. From at least 1990 to the present, Applicant has distributed, in many of the United States, Applicant's promotional materials in connection with classroom use of the Common Product Design via emulator software, and also where such materials associate the Common Product Design, including the *5-33DC-5 Configuration*, with Applicant's company-identifying trademarks of TEXAS INSTRUMENTS and TI, as shown by examples in Exhibit D, wherein:

(i) Exhibit D1 depicts an advertisement illustrating the Common Product Design in two forms, including the *5-33DC-5 Configuration*, with various TI-8X calculators shown in the foreground, and in the background is shown a laptop and on the laptop screen is a graphical user interface, generated by emulator software, that depicts among other things the Common Product Design, including the *5-33DC-5 Configuration*.

(ii) Exhibits D2, D3, and D4 depict the Common Product Design, including the *5-33DC-5 Configuration*, depicted in a screen display generated by an emulator.

(iii) Exhibit D5 depicts the Common Product Design, including the *5-33DC-5 Configuration*, projected onto a display screen in a classroom, the projected image generated by an emulator.

(v) Exhibit D6 depicts Applicant's supplied book cover, illustrating the Common Product Design, including the *5-33DC-5 Configuration*, and further associated with Applicant via the company-identifying trademarks of  and TEXAS INSTRUMENTS.

(vi) Exhibit D7 depicts Applicant's supplied poster with the Common Product Design, including the *5-33DC-5 Configuration*, and further associated with Applicant via the company-identifying trademarks of  and TEXAS INSTRUMENTS.

22. From at least 1990 to the present, Applicant has distributed, in many of the United States, Applicant's promotional materials in connection with classroom use of the Common Product Design, including the *5-33DC-5 Configuration*, and also associating the Common Product Design with Applicant via the company-identifying trademarks of TEXAS INSTRUMENTS and TI, as shown by examples in Exhibit E, wherein:

(i) Exhibit E1 depicts the Common Product Design, including the *5-33DC-5 Configuration*, depicted in myriad examples in a poster, designed and promoted by Applicant for display at a school or comparable facility, in which the Common Product Design is further associated with college and high school examinations (SAT, ACT, PSAT/NMSQST, and AP) as well as Science, Technology, Engineering and Math (STEM).

(ii) Exhibit E2 depicts the Common Product Design, including the *5-33DC-5 Configuration* and as exemplified in the TI-84Plus, depicted in a poster, designed and promoted by Applicant for display at a school or comparable facility.

(iii) Exhibit E3 depicts the Common Product Design, including the *5-33DC-5 Configuration*, and as exemplified in the TI-84Plus Silver Edition, depicted in a poster, designed and promoted by Applicant for display at a school or comparable facility.

(iv) Exhibit E4 depicts the Common Product Design, including the *5-33DC-5 Configuration*, and as exemplified in the TI-84Plus CE, depicted in a poster, designed and promoted by Applicant for display at a school or comparable facility.

(v) In connection with the exemplars of Exhibits E2 through E4, Applicant estimates that, from 1990 until the present, Applicant has provided at least 1,225,000 posters for TI-8X products to schools or teachers for their classrooms, wherein 725,000 of these posters were packed into product sold to schools (teacher kits) and 500,000 were provided to teachers at exhibit booths or through other marketing programs.

(vi) Exhibit E5 depicts the exemplar of Paragraph 22(iii), Exhibit E3, as displayed in a school classroom.

(vii) Exhibit E6 depicts Applicant's advertisement of a contest promoting Applicant's company-identifying trademark TI and a contest depicting various colors of a TI-8X Common Product Design, including the *5-33DC-5 Configuration*, in partial view of numerous devices (*i.e.*, the bottom of each device is not shown).


23. From at least 1997 to the present, the ACT college admissions testing company has permitted use of the TI-8X calculator in the United States, and in recent years over a million students annually have taken the exam that allows students to use the Common Product Design, including the *5-33DC-5 Configuration*, in this capacity.

24. The College Entrance Examination Board (College Board) company permits use of the TI-8X calculator in the United States on its SAT exam, and in recent years over a million students annually have taken this exam that allows students to use the Common Product Design, including the *5-33DC-5 Configuration*, in this capacity.

25. From at least 2005 to the present, the College Entrance Examination Board (College Board) company has permitted use of the TI-8X calculator in the United States on its PSAT/NSMQT exam, and in recent years millions of students annually have taken this exam that allows use of the Common Product Design, including the *5-33DC-5 Configuration*, in this capacity.

26. From at least 1996 to the present, certain United States Advanced Placement (AP) courses (*e.g.*, calculus, statistics) have permitted use of the TI-8X calculator, and in this regard it is estimated that over one-half million students annually have taken one of these exams that allows use of the Common Product Design, including the *5-33DC-5 Configuration*, in this capacity.

27. From at least 1990 to the present, Applicant has promoted and/or depicted the Common Product Design, including the *5-33DC-5 Configuration*, in materials directed to and for use in educator programs in the United States, said materials further associating the Common Product Design with Applicant by its company-identifying

trademarks TEXAS INSTRUMENTS,  , and/or TI, as shown by examples in Exhibit F, wherein:

(i) Exhibit F1 depicts an advertisement distributed to educators with two different representations of the Common Product Design, including the *5-33DC-5*


Configuration, further associated with Applicant via the indication of “TI” as well as TEXAS INSTRUMENTS.

(ii) Exhibit F2 depicts an example of a workshop schedule for an international conference in the United States, wherein various indicated workshops, hosted by Applicant and/or its affiliates, include products and the Common Product Design, including the *5-33DC-5 Configuration*, of one or more TI-8X devices.


(iii) Exhibit F3 depicts an example of one of Applicant’s tradeshow booth properties including the Common Product Design, including the *5-33DC-5*

Configuration, further associated with Applicant via the indication of  as well as TEXAS INSTRUMENTS.

(iv) Exhibit F4 depicts examples of advertisements to educators including the Common Product Design, including the *5-33DC-5 Configuration*, further associated

with Applicant via the company-identifying trademarks of TI, , and TEXAS INSTRUMENTS.


(v) Exhibit F5 depicts Applicant’s comparison chart of various devices all sharing the Common Product Design, including the *5-33DC-5 Configuration*, further


associated with Applicant via the company-identifying trademarks of , and TEXAS INSTRUMENTS.


(vi) Exhibit F6 depicts Applicant’s science educator conference advertisement, depicting a partial view of a device with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the


company-identifying trademarks of , and TEXAS INSTRUMENTS.


(vii) Exhibit F7 depicts Applicant’s magazine (science education journal) advertisement, depicting various views of devices with the Common Product Design,


including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of , and TEXAS INSTRUMENTS.


(viii) Exhibit F8 depicts Applicant's advertisement for (math education) journals and conference programs, depicting a view of a device with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of , and TEXAS INSTRUMENTS, and identifying the TI-8X as "*America's best-selling graphing calculator*" and noting Applicant's educator support programs.


(ix) Exhibit F9 depicts Applicant's advertisement for journals and conference programs, depicting a view of a device with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of TI, , and TEXAS INSTRUMENTS, and identifying the TI-8X as "*the best-selling graphing calculator.*"


(x) Exhibit F10 depicts Applicant's advertisement for journals and conference programs, depicting a view of a device with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of  and TEXAS INSTRUMENTS, and inviting educators to regional conferences in various United States (and Canada) locations.

(xi) Exhibit F11 depicts Applicant's advertisement for retailer and dealer use depicting views of three different of Applicant's devices with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of  and TEXAS INSTRUMENTS.

(xii) Exhibit F12 depicts Applicant’s conference handout depicting a view of Applicant’s device with the Common Product Design, further associated with Applicant via the company-identifying trademarks of  and TEXAS INSTRUMENTS.

(xiii) Exhibit F13 depicts Applicant’s advertisement for journals and conference programs, depicting views of two of Applicant’s devices with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of TI,  and TEXAS INSTRUMENTS, and indicating that a “high percentage of teachers who require a graphing calculator in class specifically recommend a TI model.”

(xiv) Exhibit F14 depicts Applicant’s advertisement for journals and conference programs, depicting a view of Applicant’s device with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of TI, , and TEXAS INSTRUMENTS, and advertising a “one- to three-day hands-on workshop” in which the device and the Common Product Design, including the *5-33DC-5 Configuration*, are impressed upon the attendee consumers.

(xv) Exhibit F15 depicts Applicant’s conference handout depicting views of Applicant’s device with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademarks of  and TEXAS INSTRUMENTS.

28. From at least 1990 to the present, Applicant, identifying itself with its company-identifying trademarks of as TI and/or TEXAS INSTRUMENTS or Teachers

Teaching with Technology, has conducted institutes and workshops for educators across various states in the United States, the subject matter of which includes education about and use of TI-8X calculators and thereby impresses the Common Product Design, including the *5-33DC-5 Configuration*, on those attendees.

29. From at least 1990 to the present, Applicant, identifying itself with its company-identifying trademarks TI and/or TEXAS INSTRUMENTS, has annually had a booth depicting, and held sessions relating to, the TI-8X calculator and its Common Product Design, including the *5-33DC-5 Configuration*, at the National Council of Teachers of Mathematics (in the United States), reaching through such activities, hundreds of thousands of participants.

30. From at least 1995 to the present, Applicant, identifying itself with its company-identifying trademarks TI and/or TEXAS INSTRUMENTS, has annually had a booth depicting, and held sessions relating to, the TI-8X calculator and its Common Product Design, including the *5-33DC-5 Configuration*, at the National Science Teachers Association (in the United States), reaching through such activities hundreds of thousands of participants.

31. From at least 1995 to the present, Applicant, identifying itself with its company-identifying trademarks TI and/or TEXAS INSTRUMENTS, has annually had a booth depicting, and held sessions relating to, the TI-8X calculator and its Common Product Design, including the *5-33DC-5 Configuration*, at various state and regional math associations in the United States, reaching through such activities hundreds of thousands of participants.

32. From at least 2000 to the present, Applicant, identifying itself with its company-identifying trademarks TI and/or TEXAS INSTRUMENTS, has annually had a booth depicting, including the *5-33DC-5 Configuration*, and held sessions relating to, the TI-8X calculator and its Common Product Design, at the National Council of Supervisors of Mathematics (in the United States), reaching through such activities tens of thousands of participants.

33. On information and belief, Applicant estimates that since at least 2005, on average, seventy percent of United States grade 7 through 12 math teachers have their students use graphing calculators as a necessary part of math lessons or assignments. At least eighty percent of those teachers use Applicant's Common Product Design, including the *5-33DC-5 Configuration*.


34. On information and belief, Applicant estimates that since at least 2005, over eighty percent of United States grade 9 through 12 math teachers have their students use graphing calculators as a necessary part of math lessons or assignments. At least eighty five percent of those teachers use Applicant's Common Product Design, including the *5-33DC-5 Configuration*.


Third Party Recognition of the Common Product Design


35. From at least 1992 to the present, third party instructional materials, including books and tutorials, have been published depicting, on the cover or at the outset, the Common Product Design, including the *5-33DC-5 Configuration*, and identifying Applicant as Texas Instruments and/or TI, as shown by examples in Exhibit G, wherein:


(i) Exhibit G1 depicts a book on which the cover illustrates a portion of the Common Product Design, including the *5-33DC-5 Configuration*, and associates it with Applicant via the indication of TI-84.

(ii) Exhibit G2 depicts a book on which the cover illustrates caricatures of children and the two to the right are shown possessing devices consistent with the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the indication of TI-84 Plus.

(iii) Exhibit G3 depicts a book on which the cover illustrates the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademark of “TI” as well as the TEXAS INSTRUMENTS and  on the depicted calculator.


(iv) Exhibit G4 depicts a book on which the cover illustrates the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademark of “TI” as well as the TEXAS INSTRUMENTS and  on the depicted calculator.

(iv) Exhibit G5 depicts a screen shot of an online third party tutorial that on its opening screen depicts the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the indication of “TI” as well as the TEXAS INSTRUMENTS and  on the depicted calculator.

(iv) Exhibit G6 depicts a book in the “for DUMMIES” series and on which the cover illustrates the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the company-identifying trademark of “TI” as well as the TEXAS INSTRUMENTS and  on the depicted calculator.

(iv) Exhibit G7 depicts a third party reference card that illustrates the Common Product Design, including the *5-33DC-5 Configuration*, further associated with Applicant via the indication of “TI” as well as the TEXAS INSTRUMENTS on the calculator depicted.

(iv) Exhibit G8 depicts a screen shot of a twitter community account inquiring about a “blank TI” for coloring, in reference to the Common Product Design, including the *5-33DC-5 Configuration*, as shown in response to the inquiry.

36. Social media has provided or provides illustrations and/or advertisements of the Common Product Design, including the *5-33DC-5 Configuration*, associated with one or more of Applicant’s trademarks of TEXAS INSTRUMENTS” and  , as shown in Exhibit H, wherein:

- (i) Facebook, is shown by way of example in Exhibits H1 and H2.
- (ii) Twitter, is shown by way of example in Exhibit H3.
- (iii) Instagram, is shown by way of example in Exhibit H4.
- (iv) Pinterest, is shown by way of example in Exhibit H5.

Through Texas Instruments Education Technology’s Facebook, Twitter, and Instagram posts alone, there were over 9 million impressions that included TI-8x in 2016. This does not count further retweets, forwards, or shares of the TI social media content, nor posts others made showing TI-8x.

37. On information and belief, Applicant estimates that there are thousands of online activities/lessons/tutorials relating to and illustrating Applicant’s TI-8X graphing calculator Common Product Design, including the *5-33DC-5 Configuration*. For TI-8x

calculators, Applicant has 1,600 of these activities/lessons/tutorials posted on its web URL: education.ti.com.

38. Applicant's Common Product Design, including the *5-33DC-5 Configuration*, has been recognized by consumers in various photo contests, as shown in Exhibit I, wherein:

(i) Applicant's *5-33DC-5 Configuration*, without any additional Texas Instruments or TI trademark thereon, was represented in a sand carving, shown in Exhibit I1.

(ii) Applicant's Common Product Design, including the *5-33DC-5 Configuration*, was represented in various costumes, shown in Exhibits I2 through I6.

(iii) Applicant's Common Product Design, including the *5-33DC-5 Configuration*, was represented in various cakes, shown in Exhibits I7 through I14.

Sales of the Common Product Design

39. Applicant's United States sales of TI-8X calculators having the Common Product Design, including the *5-33DC-5 Configuration*, and throughout the Historic Transition have exceeded tens of millions of devices.

Conclusion

40. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any registration resulting therefrom.


Martha Ann Sandstedt

Date: June 27, 2017

Exhibit A to Declaration of Martha Ann Sandstedt










1990	1993	1996	1999	2004	2013	2015
			 	 		
TI-81	TI-82	TI-83	TI-83 Plus; TI-83 Plus Silver Edition	TI-84 Plus; TI-84 Plus Silver Edition	TI-84 Plus C Silver Edition	TI-84 Plus CE

Exhibit B1 to Declaration of Martha Ann Sandstedt

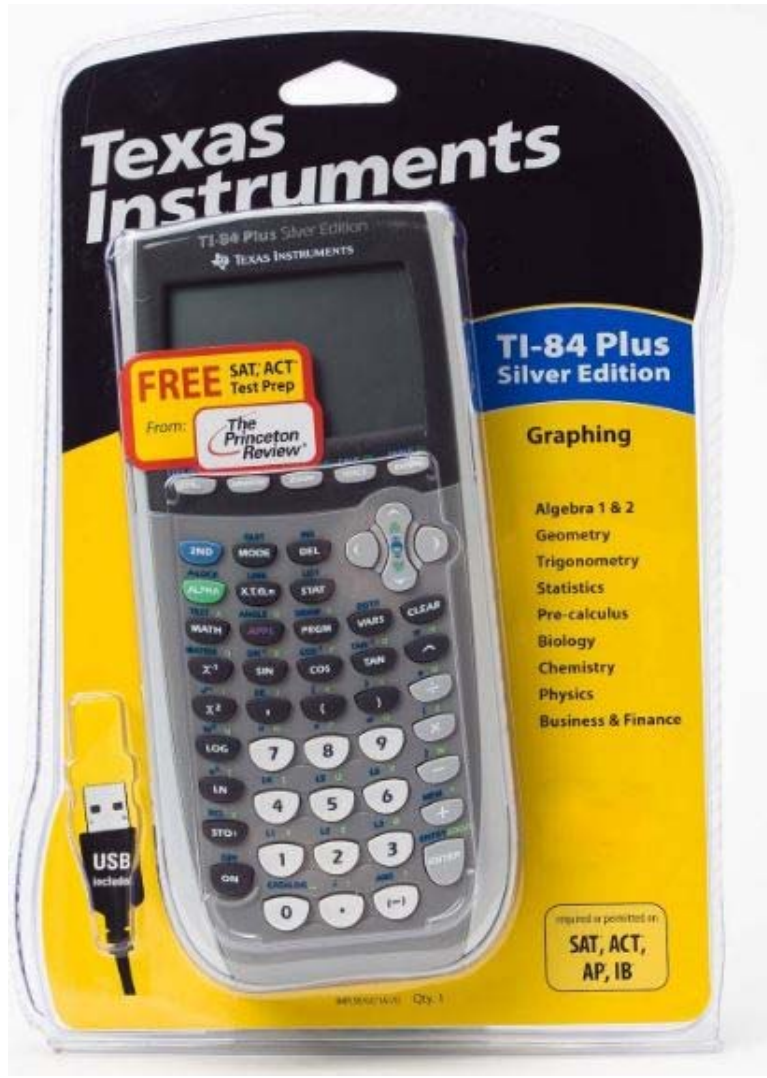


Exhibit B2 to Declaration of Martha Ann Sandstedt

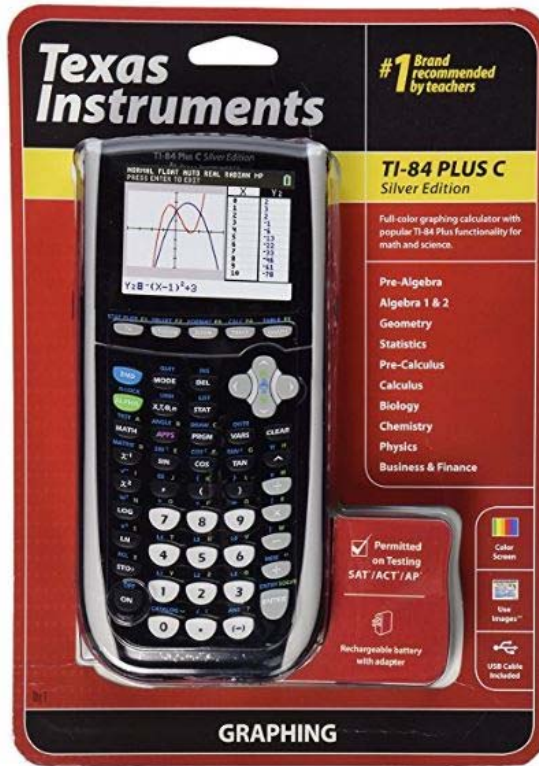


Exhibit B3 to Declaration of Martha Ann Sandstedt

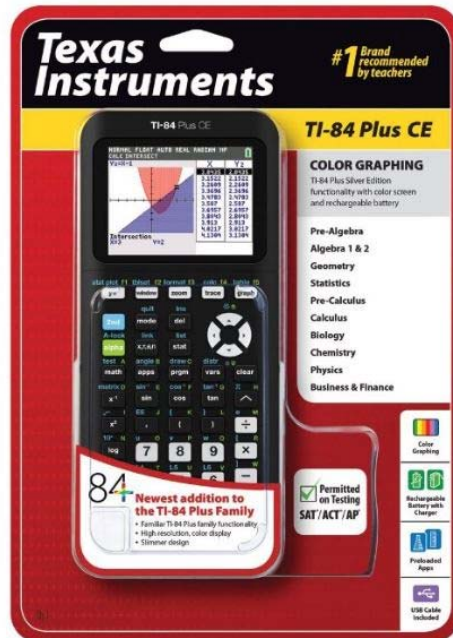


Exhibit B4 to Declaration of Martha Ann Sandstedt




Exhibit B5 to Declaration of Martha Ann Sandstedt

Walmart Gift Cards Registry & Lists

All

All Departments Savings Showcase My local store Pick it up TODAY Tips & Ideas

 **Need to Feel Better Fast? Rehydrate at Lyte Speed.**

Office > Office Technology > Calculators > All Calculators

Texas Instruments TI83 Plus Graphing Calculator - Battery Backup - 24 KB, 160 KB - RAM, ROM - 8 Line(s) - 16 Digits - LC

★★★★★ [Write a review](#) [Q&A](#) By: Texas Instruments [f](#) [t](#) [p](#)

About this item

- Permitted for use on SAT, PSAT/NMSQT, ACT, AP, IB and Praxis exams
- Offers large 64 x 96 pixel, 8 x 16 display; 24KB of RAM; and 160KB Flash ROM memory
- Also graphs 3 recursively-defined sequences; TVM, cash flows, amortization, and complex number

Exhibit B6 to Declaration of Martha Ann Sandstedt

The advertisement features three Texas Instruments calculators arranged horizontally. Each calculator is shown with a circular price tag below it. The TI-83 Plus is on the left, the TI-84 Plus is in the center, and the TI-84 Plus CE is on the right. The TI-83 Plus price tag is blue and shows '\$88'. The TI-84 Plus price tag is red and shows 'ROLLBACK \$88 was \$115' with a 'Save \$27' badge. The TI-84 Plus CE price tag is red and shows 'ROLLBACK \$88 was \$125' with a 'Save \$37' badge. Below each calculator is its name and model number.

Calculator Model	Current Price	Original Price	Savings
Texas Instruments® TI-83 Plus Graphing Calculator	\$88	-	-
Texas Instruments® TI-84 Plus Calculator	\$88	\$115	\$27
Texas Instruments® TI-84 Plus CE Color-Screen Calculator	\$88	\$125	\$37

Exhibit B7 to Declaration of Martha Ann Sandstedt

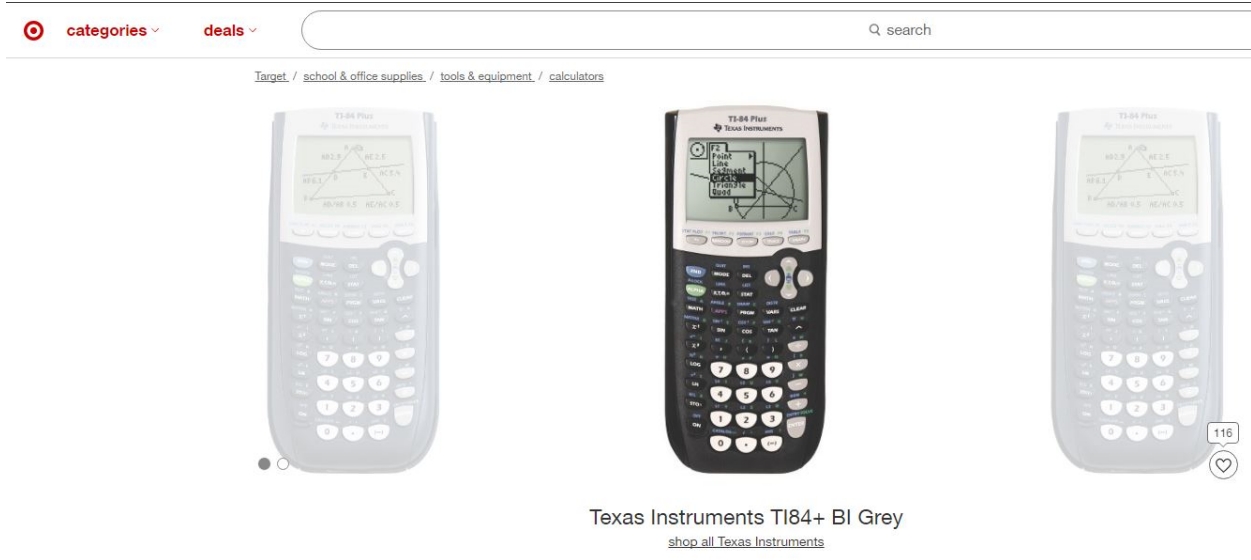


Exhibit B8 to Declaration of Martha Ann Sandstedt



Exhibit B9 to Declaration of Martha Ann Sandstedt

Expert Service. Unbeatable Price.

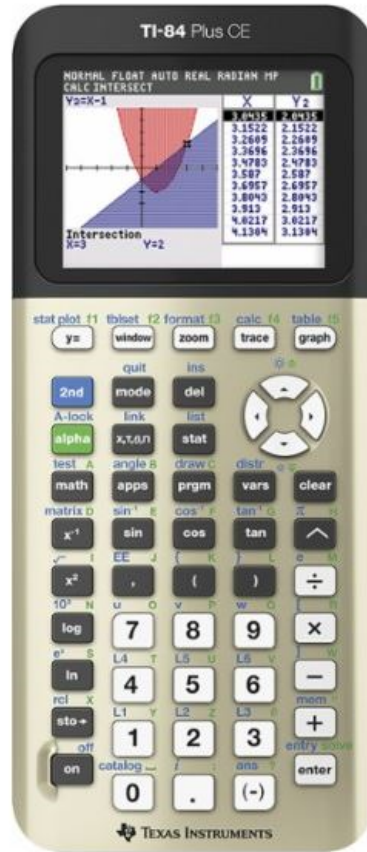


PRODUCTS BRANDS DEALS SERVICES Weekly Ad

Best Buy ▶ Connected Home & Housewares ▶ Office Electronics ▶ Calculators

Texas Instruments - TI-84 Plus CE Graphing Calculator - Gold

Model: 84PLCE/TBL/1L1/V SKU: 5042700  4.8 (594) 12 Questions, 27 Answers



Click or tap to enlarge



Exhibit B10 to Declaration of Martha Ann Sandstedt

CHOOSE YOUR SAVINGS on qualifying orders

MY REWARDS

**Office DEPOT.
OfficeMax[®]**

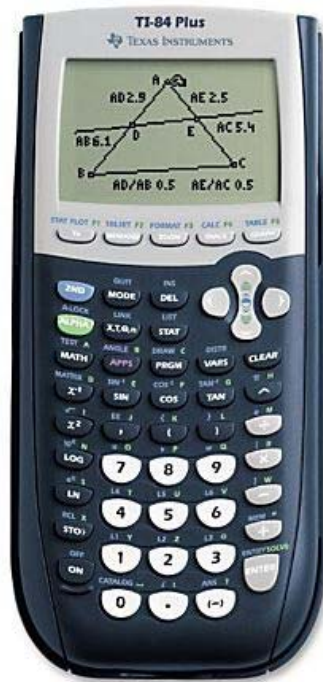
Search by Keyword or Item#

Office Supplies | Paper | Ink & Toner | Breakroom | Cleaning | Technology | Furni

Home / Technology / Office Machines / Calculators / Graphing Calculators / Product Details

Texas Instruments® TI-84 Plus Graphing Calculator

★★★★★ (40) | Description | Share | Print



\$ 119.99 /

Add a Protectio

No Protectio

Free next busin
Order in the next
and get it Thursd

Qty

Exhibit B11 to Declaration of Martha Ann Sandstedt

FREE DELIVERY ON \$35 QUALIFYING ORDERS

Office DEPOT.
OfficeMax

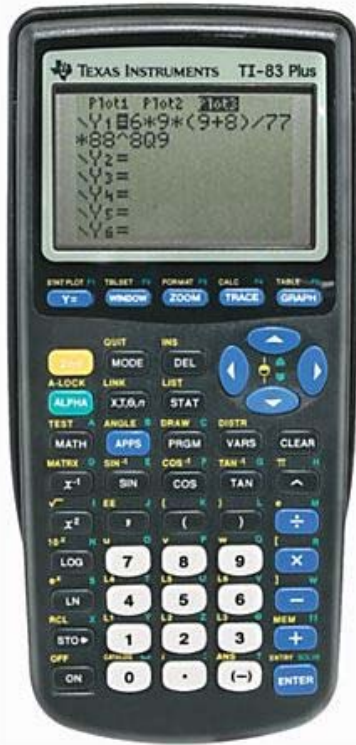
Search by Keyword or Item#

Office Supplies | Paper | Ink & Toner | Breakroom | Cleaning | Technology | Furniture

Home / Technology / Office Machines / Calculators / Graphing Calculators / Product Details

Texas Instruments® TI-83 Plus Graphing Calculator

★★★★★ (35) | Description | Share | Print



\$ 99.99 / ea

Add a Protection Plan

No Protection Plan

Free next business day shipping
Order in the next 2 hours and get it Thursday

Qty

Exhibit B12 to Declaration of Martha Ann Sandstedt

SHOP BY CATEGORY SHOP SERVICES SHOP DEALS INK & TONER FINDER **STAPLES**

Search over 1.3 million products and services

Home > Shredders, Projectors & Office Machines > Calculators > Graphing Calculators > Texas Instruments TI-84 CE Color Screen Graphing Calculator, Pink

Texas Instruments TI-84 CE Color Screen Graphing Calculator, F

Item: 1558166 Model: TI-84+ CE PINK ★★★★★ (12) | [Write a Review](#)



De
\$
Es
Of

1-
\$

Special
Offer Exp
[See Deta](#)

Also Co

- 2 Year E (100-14)
- 3 Year E Plan(\$1

Product Details

- Color display shows charts and images
- Powerful 3.5MB flash memory for data storage
- Compatible with TI-84 Plus, for easy classroom integration

[View Full Product Details](#)

Exhibit B13 to Declaration of Martha Ann Sandstedt

STAPLES®

Four Texas Instruments TI-84 Plus CE graphing calculators are displayed in a fan shape. From left to right, they are black, pink, white, and red. Each calculator's screen shows a different graphing function, such as a parabola or a line.

89⁹⁹
after easy rebate
Save \$40

Lowest price of the season.

Texas Instruments™ TI-84 Plus CE
9-line color screen graphing calculator

• \$129.99 - \$2 instant savings - \$25 easy rebate = \$99.99
TI12350-white, TI84167-black, TI21889-red, TI84160-pink
Colors may vary by store.

Exhibit B14 to Declaration of Martha Ann Sandstedt



Exhibit C1 to Declaration of Martha Ann Sandstedt

The screenshot shows an Amazon search results page for "ti graphing calculator". The page header includes the Amazon logo, a search bar with the query "ti graphing calculator", and navigation links for "Departments", "Your Amazon.com", "Today's Deals", "Gift Cards & Registry", "Sell", and "Help". Below the header, there are category filters for "All Electronics", "Deals", "Best Sellers", "TV & Video", "Audio & Home Theater", "Computers", "Camera & Photo", "Wearable Technology", "Car Electronics & GPS", and "PC". The search results are displayed in a grid format, showing three calculator products. On the left side, there are filters for "Show results for", "Any Category", "Electronics", and "Refine by".

1-24 of 620 results for **Electronics** : "ti graphing calculator"

Show results for

< Any Category

Electronics

- Graphing Office Calculators (302)
- Scientific Calculators (31)
- Calculator Accessories (103)
- Calculators (383)
- Cell Phone Cases (5)
- USB Cables (34)
- AC Adapters (25)
- Audio & Video Power Cables (3)

+ See more

Refine by

Amazon Prime

- Prime

Eligible for Free Shipping

- Free Shipping by Amazon

Brand

- Texas Instruments
- BOVKE
- Casio
- Guerrilla
- EZ Graphing Products LLC
- EZ Graphing
- NiceTQ
- GADGETS-R-US

Amazon's Choice

Texas Instruments TI-84 Plus Graphics Calculator, Black
by Texas Instruments

\$103⁹⁹ Prime
Get it by **Friday, Feb 3**
FREE Shipping on eligible orders

More Buying Choices
\$97.80 new (144 offers)
\$58.30 used (118 offers)

Texas Instruments TI-84 Plus CE Graphing Calculator, Black
by Texas Instruments

\$119³⁹ Prime
FREE Shipping on eligible orders
In stock on February 6, 2017

More Buying Choices
\$109.00 new (86 offers)
\$94.95 used (10 offers)

Texas Instruments TI-83 Plus Graphing Calculator
by Texas Instruments

\$78⁵⁵ ~~\$94.98~~ Prime
Get it by **Tomorrow, Feb 2**
FREE Shipping on eligible orders

More Buying Choices
\$78.55 new (104 offers)
\$38.99 used (174 offers)

Exhibit C2 to Declaration of Martha Ann Sandstedt

CL [los angeles] > [all los angeles] > [for sale] > [electronics]

electronics - by owner

search titles only
has image
posted today
bundle duplicates
include nearby areas

MILES FROM ZIP
min max

PRICE
min max
















+ condition

reset update search

• safety tips
• prohibited items
• product recalls
• avoiding scams

graphing calculator

gallery 1 to 25 relevant

 <p>36638 Texas Instruments TI-83 Plus Graphing Calculator \$50 (Beverly Hills)</p>	 <p>36639 TI-83 Plus Graphing Calculator \$40 (Hollywood)</p>	 <p>36639 TI 83 GRAPHING CALCULATOR \$40 (Rededa)</p>	 <p>36639 TI-89 Titanium Graphing Calculator (Programmable) TI 89 \$50 (Rededa)</p>	 <p>36639 TI-84 Plus Graphing Calculator \$65</p>
 <p>36639 Texas Instruments TI-89 Titanium Graphing Calculator \$50 (Los Feliz)</p>	 <p>36639 Texas Instruments TI-89 Titanium Math Science Handheld Graphing Calculator \$40 (El Monte)</p>	 <p>36639 Texas Instruments TI-83 Graphing Calculator \$35 (Hollywood)</p>	 <p>36639 TI-89 Graphing Calculator \$60 (Echo Park)</p>	 <p>36639 Casio Graphing Calculator \$60 (West Los Angeles)</p>
 <p>36639 TI-89 Scientific Graphing Calculator \$70 (Monterey Park)</p>	 <p>36639 Texas Instruments Graphing Calculator TI83 Plus \$60 (Northridge)</p>	 <p>36639 Silver USB Graph-Link cable for TI-89 Graphing Calculator \$20 (Culver City)</p>	 <p>36639 CASIO CFX-9950GB plus color power graphing calculator \$30 (Glendora)</p>	 <p>36639 TI 84 plus graphing calculator for parts doesn't turn on \$10 (diamond bar)</p>

<https://losangeles.craigslist.org/search/electronics/ref?query=graphing+calculator>

Exhibit C3 to Declaration of Martha Ann Sandstedt

CL | washington, DC | all washington, DC | for sale | electronics

electronics - by owner

owner dealer

search titles only
has image
posted today
bundle duplicates
include nearby areas

MILES FROM ZIP
miles from zip

PRICE
min max

condition

reset update search

safety tips
prohibited items
product recalls
avoiding scams

graphing calculator

gallery 1 to 11 relevant

\$40 TI-89 Graphing Calculator (College Park) \$40

\$40 TI-83 Plus Graphing Calculator (Cleveland Park) \$40

\$75 Texas Instruments TI-84 Plus Graphing Calculator Black (Ashburn, VA) \$75

\$40 TI-83 Plus Graphing Calculator w/cover (Ashburn) \$40

\$50 TI-83 Plus Graphing Calculator (Centreville) \$50

\$125 Texas Instruments TI-84 Graphing Calculator (College Park) \$125

\$125 Texas Instruments TI-84 Graphing Calculator (College Park) \$125

\$90 TI-84 plus graphing calculator (LIKE NEW) (SPRINGFIELD) \$90

\$40 Two Graphing & Scientific Calculators: TI-84, TI-30XS (Chevy Chase, DC) \$40

\$50 TI-82 and TI-85 Graphing Calculators 'Name your price!' (Starling) \$50

\$60 Texas Instruments TI-83 Plus Silver Edition + BA II Plus Calculators (60) \$60

Exhibit C4 to Declaration of Martha Ann Sandstedt

ebay Shop by category Search... All Categories Search Advanced

eBay > Consumer Electronics > Gadgets & Other Electronics > Calculators Share

Texas Instruments TI-83 Plus Graphing Calculator

★★★★★ 1402 product ratings | About this product | Trending at: New **\$75.00** • Pre-owned **\$31.99**




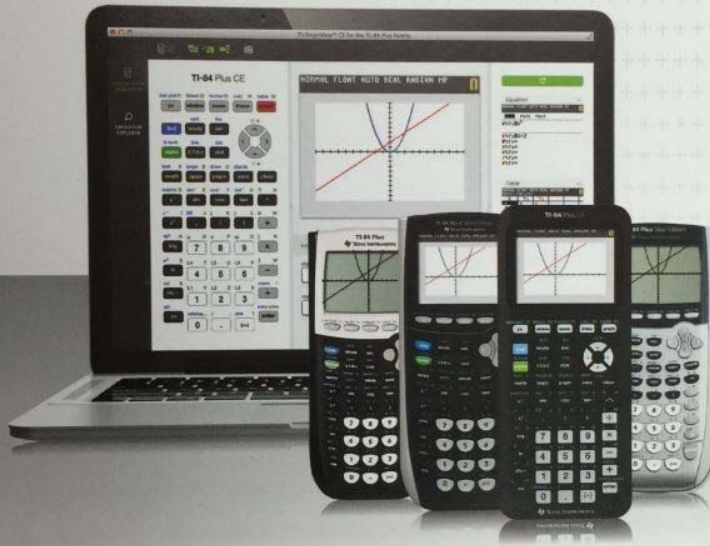
Brand New LOWEST PRICE	Nearly New LOWEST PRICE	Pre-Owned BEST PICK
 <p>Guerrilla Silicone Case for Texas Instruments ...</p> <p>\$25.18</p> <p>Free shipping</p> <ul style="list-style-type: none">• New condition• Sold by 2.tzvishtal2• Est. delivery by Feb 22 <p>See details Buy It Now</p> <p>See all 148 Brand New</p>	 <p>Refurbished TI-83 Plus Graphing Calculator...</p> <p>\$49.99</p> <p>Free shipping</p> <ul style="list-style-type: none">• Manufacturer refurbished condition• Sold by alexrapp• Est. delivery by Feb 6 <p>See details Buy It Now</p> <p>See all 30 Nearly New</p>	 <p>Texas Instruments TI-83 Plus Graphing...</p> <p>\$42.95</p> <p>Free shipping</p> <ul style="list-style-type: none">• Seller refurbished condition• Sold by alexrapp• Est. delivery by Feb 6 <p>See details Buy It Now</p> <p>See all 1059 Pre-Owned</p>

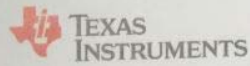
Exhibit D1 to Declaration of Martha Ann Sandstedt

TI-SmartView™ CE Emulator Software

FREE TI-SmartView™ software upgrade for
the TI-84 Plus family of graphing calculators



Visit education.ti.com/us/84CEsmartview to request the
license for your free upgrade.*



*This offer ends December 31, 2016.
©2016 Texas Instruments Printed in U.S.A. CL5521

Exhibit D2 to Declaration of Martha Ann Sandstedt

The screenshot displays the TI-SmartView™ interface for a TI-84 Plus calculator. The main window is divided into several sections:

- Calculator View (Left):** Shows the TI-84 Plus C Silver Edition screen with the equation editor containing:

$$8\cos(X) \rightarrow Y_1$$

$$.1X^2 - 3 \rightarrow Y_2$$
- Equation Editor (Top Middle):** Lists the equations:

$$Y_1 = 8\cos(X)$$

$$Y_2 = .1X^2 - 3$$
- Table (Middle):** A table with columns X, Y1, and Y2. The X-axis is set to X=0. The data points are:

X	Y1	Y2
0	8	-3
1	4.9224	-2.9
2	-3.329	-2.6
3	-1.92	-2.1
4	-5.229	-1.4
5	2.2693	-.5
6	7.6814	.8
7	6.8312	1.9
8	-1.164	3.4
9	-7.269	5.1
10	-4.743	7
- Graph (Bottom Middle):** A coordinate plane showing the intersection of the two functions: $Y_1 = 8\cos(X)$ and $Y_2 = .1X^2 - 3$.
- Key Press History (Right):** A grid of buttons representing the sequence of key presses used to enter the equations and view the table and graph.

Exhibit D3 to Declaration of Martha Ann Sandstedt



Exhibit D4 to Declaration of Martha Ann Sandstedt

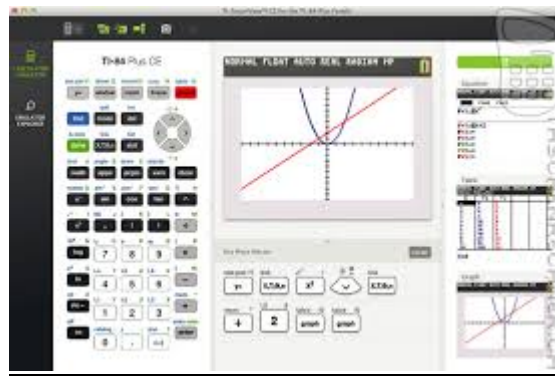


Exhibit D5 to Declaration of Martha Ann Sandstedt



Exhibit D6 to Declaration of Martha Ann Sandstedt



Exhibit D7 to Declaration of Martha Ann Sandstedt

TI-84 Plus Silver Edition

Change it up!

Surf with TI and the Fully Loaded TI-84 Plus Silver Edition. Then Change it up with Color Faceplates, Start-Up Graphics, & USB!

changeitup at 84silver.com

TEXAS INSTRUMENTS

TEXAS INSTRUMENTS

The advertisement features a vibrant beach scene with a sunset sky in shades of red, orange, and yellow. In the foreground, a red surfboard is positioned vertically, containing promotional text. To the right, a silver TI-84 Plus Silver Edition calculator is shown with three colorful faceplates (blue, pink, and orange) stacked in front of it. The background includes stylized blue waves, palm trees, and a large yellow hibiscus flower. The overall design is bright and energetic, emphasizing the customization options available for the calculator.

Exhibit E1 to Declaration of Martha Ann Sandstedt



Exhibit E2 to Declaration of Martha Ann Sandstedt

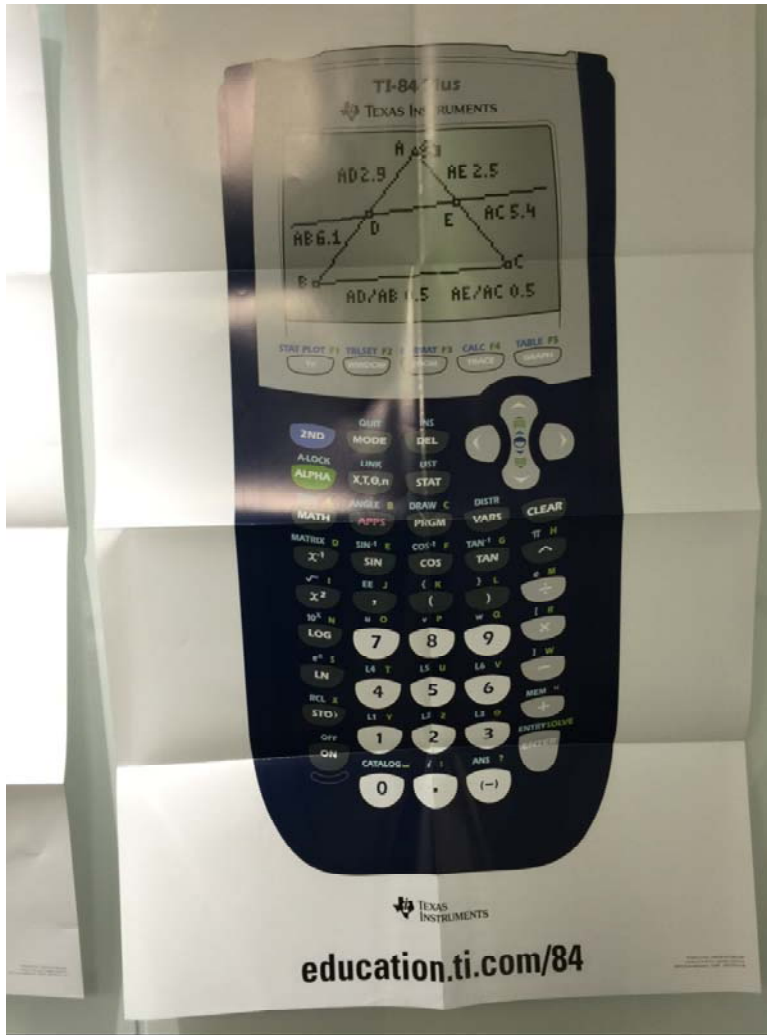


Exhibit E3 to Declaration of Martha Ann Sandstedt

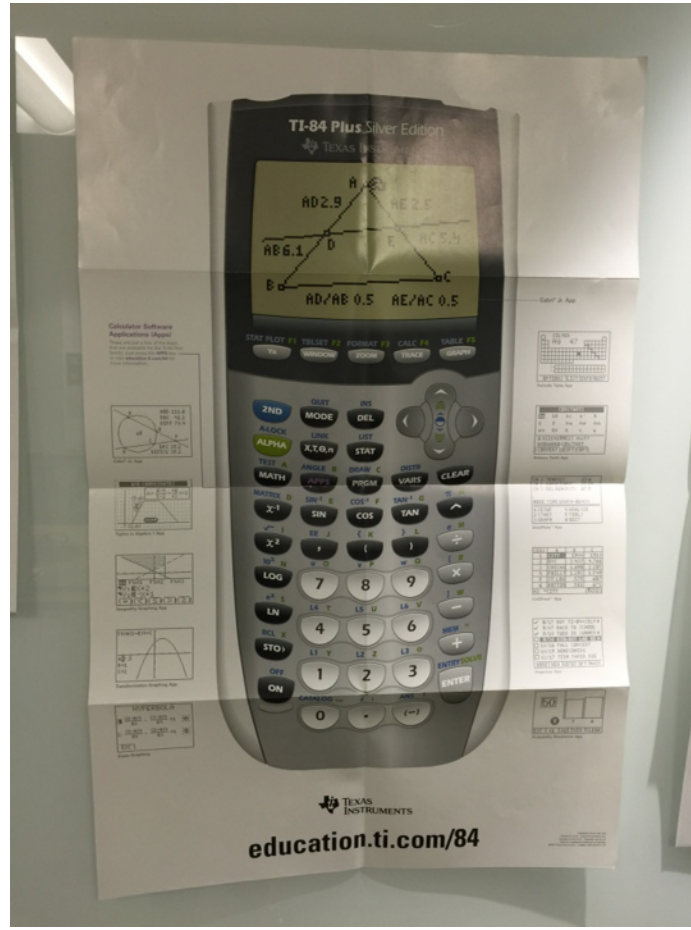


Exhibit E4 to Declaration of Martha Ann Sandstedt



Exhibit E5 to Declaration of Martha Ann Sandstedt



Exhibit E6 to Declaration of Martha Ann Sandstedt



TI Calculators

@TICalculators



Find which TI-84 Plus CE color is your perfect match w/ our Calculate Your Color Quiz!

calculateyourcolor.com



Exhibit F1 to Declaration of Martha Ann Sandstedt

SPACE STATION
GET THE STARS FOR THE CLASS!
NASA

MISSION IMAGINATION
inspire. explore. engage.

TEXAS INSTRUMENTS

Reach for the stars

NASA and Texas Instruments (TI) are teaming up to get students excited about careers in the math and science of space exploration.

Destination: Mars
NASA and TI's MISSION imagination Design Challenge tests students' problem-solving skills. The winning team will chat with a NASA expert, receive a classroom set of TI technology and get assorted space goodies.

Explore the STEM Behind Life in Space
Engage students in NASA's science, technology, engineering and mathematics (STEM) practices with new TI-Nspire™ CX activities.

Do you have the right stuff?
Find out: Take an online quiz to see what you know about life on the International Space Station for a chance to win prizes.

Engage!
Learn more about this innovative NASA/TI partnership at missionimagination.com

mission.com/rules for complete contest rules.
tisonline.com/rules for complete contest rules.

TEXAS INSTRUMENTS

07299

TI Codes

Introduce students to the basics of coding, a critical skill for 21st century STEM careers.

PROGRAM

DISP #U

Encourage students to explore basic programming using the TI technology they use every day.

TI Codes offers:

- 10 Minutes of Code**
Engage students in short activities that build understanding of math concepts, programming logic and coding skills.
- Beyond Basics**
Encourage students who have some coding experience to build on their knowledge with these innovative activities.
- Teachers' Lounge**
Find resources to help students develop the foundational logic and mathematics of programming.

Learn more and download FREE TI Codes activities at education.ti.com/ticodes.
Join the conversation #TICodes

TEXAS INSTRUMENTS

© 2015 Texas Instruments. Printed in U.S.A. CL6849

Exhibit F2 to Declaration of Martha Ann Sandstedt

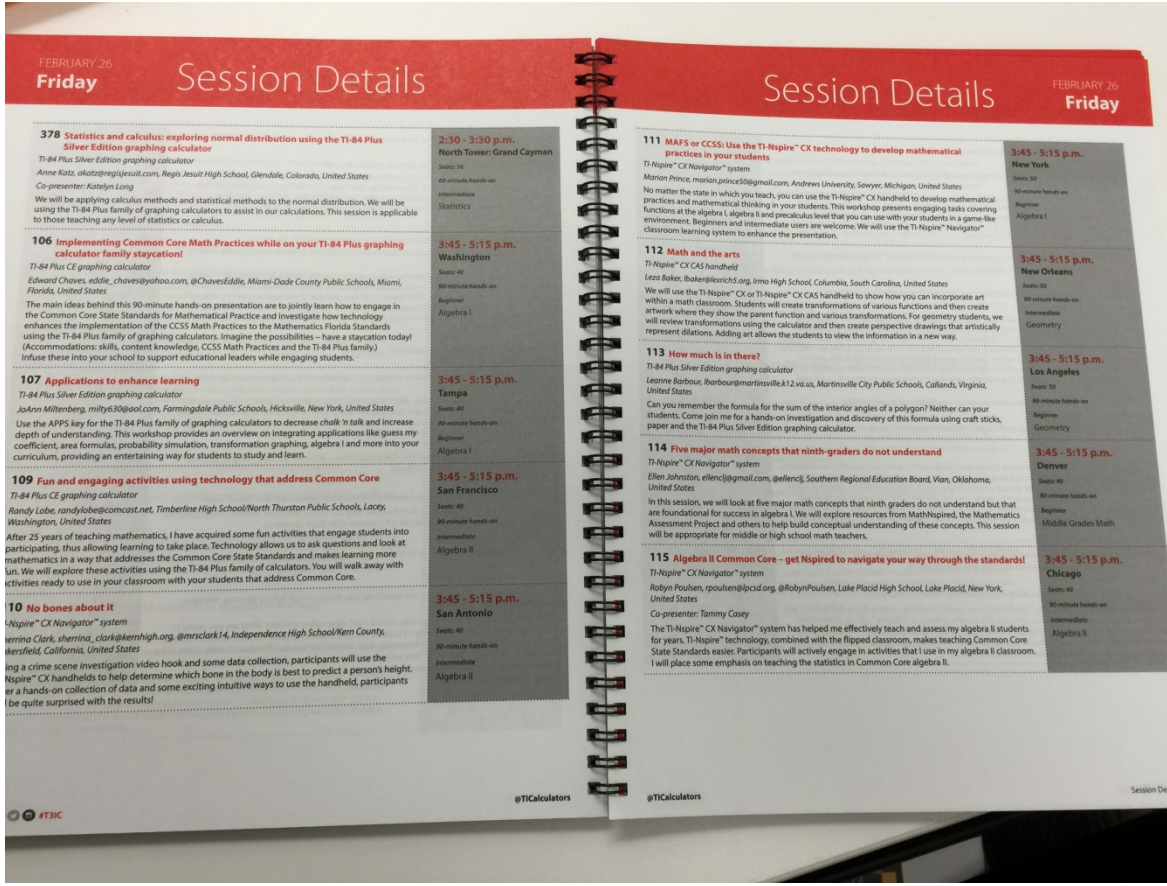



Exhibit F3 to Declaration of Martha Ann Sandstedt




Exhibit F4 to Declaration of Martha Ann Sandstedt



Exhibit F5 to Declaration of Martha Ann Sandstedt




Deeper Understanding,
Greater Achievement




A graphing calculator is a *learning* tool designed to help students visualize and better understand concepts in math and science. To determine which Texas Instruments graphing calculator is right for your child, please refer to the chart below.

Key Features	TI-83 Plus	TI-84 Plus	TI-84 Plus Silver Edition	TI-89 Titanium
USB Cable Included		*	*	
Memory ROM/RAM	160K/24K	480K/24K	1.5MB/24K	2.7MB/168K
SAT/ACT prep questions Preloaded				
Removable Faceplate			*	
Hotmath Homework Help ¹			*	
Organizer Preloaded			*	
TI-83 Plus Compatibility	*	*		
Allowed on SAT, ACT, AP ²	*	*	*	
Computer Algebra System (CAS)				*
Pre-Loaded Apps				
Pre-Algebra	*	*	*	
Algebra 1 & 2	*	*	*	
Trigonometry	*	*	*	
Geometry		*	*	*
Pre-calculus			*	*
Statistics	*	*	*	
Business & Finance	*	*	*	
Biology	*	*	*	
Physics	*	*	*	*
Chemistry			*	
Calculus				*
AP Calculus				*
AP Statistics				*
AP Physics				*
Electrical Engineering				*
Mechanical Engineering				*
Differential Equations				*
Linear Algebra				*



TI-84 Plus Silver Edition:
Essential For Student Success



100% compatible with the TI-83 Plus
Check your back-to-school list. The TI-84 Plus Silver Edition works the same as the TI-83 Plus and has more memory and preloaded software applications, operates even faster and includes a USB cable.

Use through high school and into college
The TI-84 Plus Silver Edition has enough upgradeable features and memory to support students throughout their academic journey delivering immense value and longevity of use.

Allowed on SAT¹, ACT² and AP³ exams
Graphing calculators are permitted and even required on these tests. Preloaded sample questions – 500 SAT and 500 ACT – help students reinforce concepts, maximize study time and gain an advantage for test day.

Free test prep resources
The TI-84 Plus Silver Edition provides practice prep questions and study cards so that students can build their knowledge base and level of confidence. The sooner your child becomes familiar with their graphing calculator's functionality, the more proficient they'll be on test day.

Free online homework help⁴
A free 60-day subscription to Hotmath.com comes with the purchase of a TI-84 Plus Silver Edition. Step-by-step explanations of math problems found in most math textbooks give students the resources to keep learning outside the classroom.

¹ SAT is an registered trademark of the College Board's Computer-Based Test which was not involved in the production of and does not endorse this product.

² ACT is a registered trademark of ACT, Inc., which does not endorse this product. Policies subject to change. Visit www.act.org.

³ AP is a registered trademark of the College Board's Computer-Based Test which was not involved in the production of and does not endorse this product.

⁴ Hotmath.com is a registered trademark of Hotmath.com, which does not endorse this product. Policies subject to change. Visit www.hotmath.com.

©2008 Texas Instruments. Printed in U.S.A. CAS71 SPICUT/STAR/0805

Exhibit F6 to Declaration of Martha Ann Sandstedt

EXPLOSIVE EVIDENCE

Stop by the TI Booth

1 SOLVE THE CRIME
Play the TI Forensics Online Game. Witness in action the TI-84 Plus Silver Edition graphing calculator with Vernier Software & Technology sensors. It's a great way to bring the fascinating worlds of forensic science and TI technology into your classroom. Visit teforensics.com

2 GO ON TRIAL
Request a TI Forensics 30-day trial kit – at no cost or obligation to you. Experience first-hand the TI-84 Plus Silver Edition and Vernier sensors. Conduct engaging science lab experiments using the new TI EXPLORATIONS™ series forensics activity book – yours to keep after your 30 day trial. Request your kit at teforensics.com

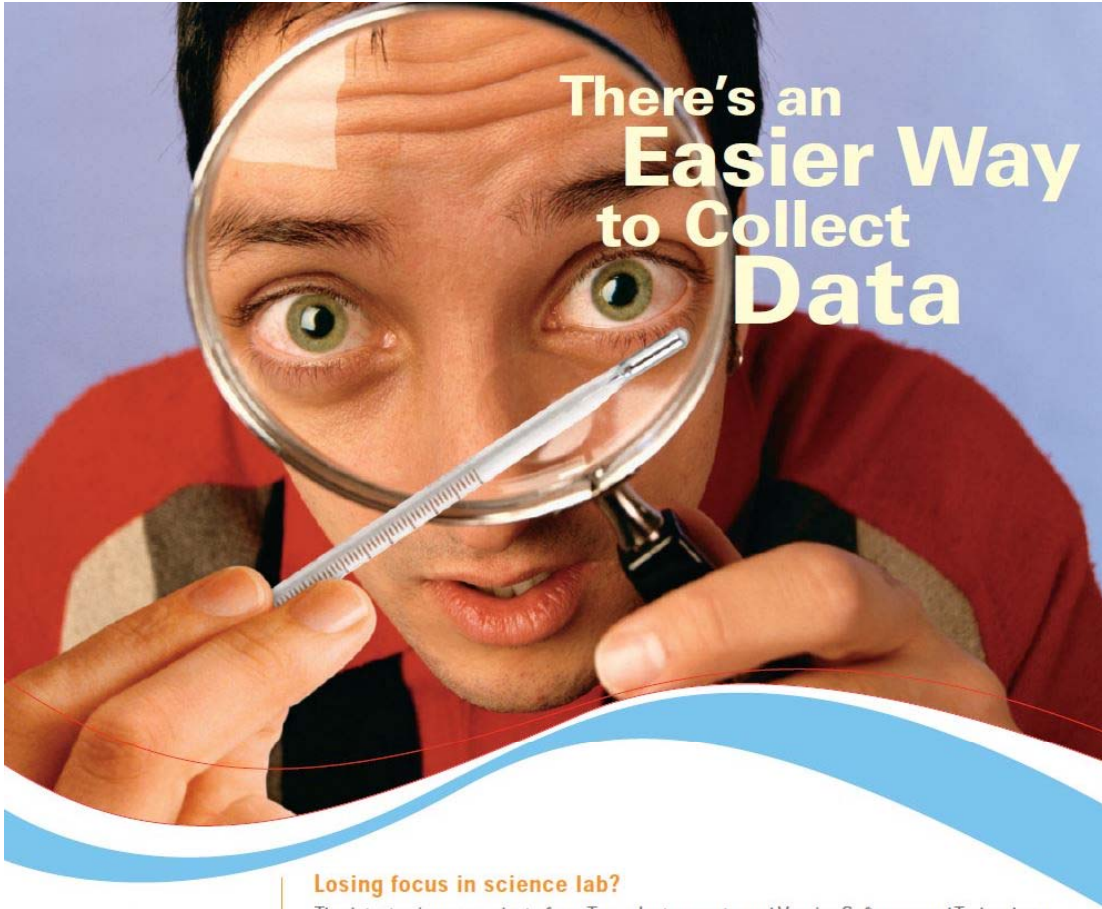
3 INVESTIGATE ALL LEADS
Maximize your potential. Visit education.ti.com/t3 to learn more about TI's many professional development opportunities.

education.ti.com

TEXAS INSTRUMENTS

EasyLink and EasyTemp are trademarks of Vernier Software and Technology. ©2006 Texas Instruments AD6783

Exhibit F7 to Declaration of Martha Ann Sandstedt



Losing focus in science lab?

The latest science products from Texas Instruments and Vernier Software and Technology make data collection fast, accurate and much less complicated. Start collecting precise temperature data the moment you plug the Vernier EasyTemp™ sensor *directly* into the USB port of any TI-84 Plus Silver Edition graphing calculator loaded with the Vernier EasyData™ software App. Now, that's simplicity. Bring science to life for your students with easy-to-use TI technology. You won't believe your eyes.

To learn more about TI's latest tools, training and curricular materials for science, visit education.ti.com/science



Measuring temperature's no sweat with EasyTemp™ direct connect sensor and TI-84 Plus Silver Edition



Data Collection Faceplate



EasyData™ software App compatible with CBL 2™



Enhanced CBR 2™ motion detector

[tools](#) | [training](#) | [curricular materials](#) education.ti.com

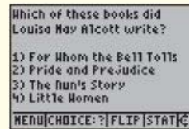
E-MAIL: ti-cares@ti.com CALL: 1.800.TI.CARES

© 2005 Texas Instruments AD5835
EasyData and EasyTemp are trademarks of Vernier Software and Technology.



Exhibit F8 to Declaration of Martha Ann Sandstedt

Your students
have it. Now
more of your
teachers
can use it.



Examples of the StudyCards™ App available for the TI-83 Plus



TI-83 Plus Silver Edition
The latest member of the TI-83 Plus family.

America's best-selling graphing calculator shouldn't be held to just math and science.

The TI handheld technology used in math and science classes everywhere is a powerful addition to almost any academic classroom. Special features such as our *StudyCards™ App* make the TI-83 Plus an effective educational tool in English, social studies and foreign language classes. Plus, the TI-83 Plus was designed specifically with the help of educators, so it's totally dedicated to education.

Bring the power of the TI-83 Plus to more classrooms in your school. Our TI-83 Plus technology is already in your students' hands. Why not unlock the potential of the TI-83 Plus across your curriculum? Our educator support programs, including professional development services, make it easy and effective to implement the TI-83 Plus in various academic disciplines. To learn more about the benefits of TI technology, visit us online at education.ti.com/ti

AD0268/US

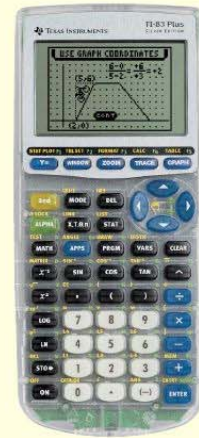
connectingminds™

TEXAS
INSTRUMENTS

Exhibit F9 to Declaration of Martha Ann Sandstedt



Can TI improve the
best-selling
graphing calculator?
The answer is clear.



The TI-83 Plus Silver Edition. The TI-83 Plus Silver Edition from Texas Instruments builds on the popularity of the TI-83 Plus with new features and functionality that send it to the head of the class. Increased memory and speed help teachers and students get the most out of their technology. With more than 1.5 megabytes of Flash ROM, the TI-83 Plus Silver Edition can hold up to 94 Handheld Software Applications (Apps). Downloading Apps is easier than ever, too, because the TI-GRAPH LINK™ cable is included.

Essential technology for algebra and beyond. The TI-83 Plus is still the most-used technology for teaching and learning high school math. But now math teachers have a choice: the TI-83 Plus, or the more powerful TI-83 Plus Silver Edition. To learn more, or to request a copy of our introductory video *Algebra with the TI-83 Plus*, part of our EXPLORATIONS™ Video Series, visit us online today at education.ti.com/silver.

E-MAIL: ti-cares@ti.com • CALL: 1-800-TI-CARES • VISIT: education.ti.com

AD0230/US

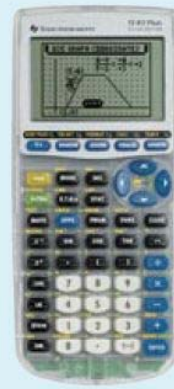
connectingminds™

 TEXAS
INSTRUMENTS

Exhibit F10 to Declaration of Martha Ann Sandstedt



Turn technology
you already have
into technology
you actually use.



Register for the T³ Regional Conference near you. Chances are, you and your students already have access to great Texas Instruments technology like the TI-83 Plus Silver Edition. But are you making the most of this technology in your math classroom? T³ stands for Teachers Teaching with Technology™. At our regional conferences, fellow teachers will give you hands-on instruction and activities that you can implement immediately in your classroom. To take advantage of this professional development opportunity, visit our website at education.ti.com/regionals and register for the conference nearest you today.

T³ Regional Conferences:

Columbus, OH, Feb. 14–15, 2003

Toronto, ON, March 28–29, 2003

Worcester, MA, Oct. 17–18, 2003

Hot Springs, AR, Feb. 14–15, 2003

Washington, DC, April 25–26, 2003

New York, NY, Oct. 18–19, 2003

Wilmington, DE, Feb. 28–March 1, 2003

Adrian, MI, May 9–10, 2003

Tyler, TX, Nov. 7–8, 2003

Oakland, CA, March 1, 2003

Austin, TX, Oct. 9–10, 2003

E-MAIL: t3info@list.ti.com • **CALL:** 1-888-2-TCUBED • **VISIT:** education.ti.com/t3

ADO233/aUS

connectingminds™

**TEXAS
INSTRUMENTS**

Exhibit F11 to Declaration of Martha Ann Sandstedt

TEXAS INSTRUMENTS

Power Up

Get the one that takes you from high school through college.

TI-83 Plus
XXXX

TI-84 Plus
XXXXXX

TI-84 Plus Silver Edition
XXXXXX

TI-83 Plus – Good Standard Graphing Calculator

- Basic tool for math & science
- Does not include USB cable (available separately)
- Required or permitted on SAT*, ACT**, or AP* exams

TI-84 Plus – Better Enhanced version of TI-83 Plus

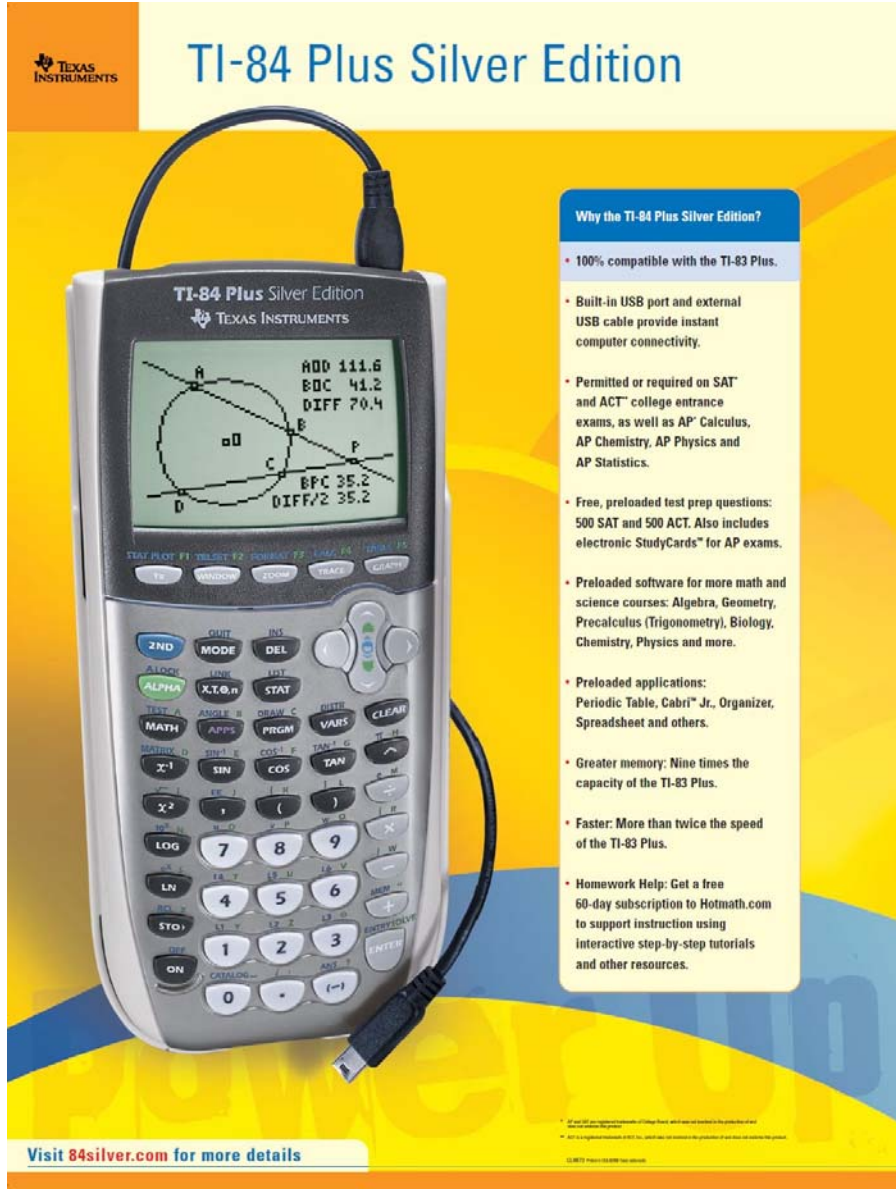
- More features for Algebra, Trigonometry, Statistics, Finance, Science & more
- Comes with USB cable for downloading software
- Over 10 preloaded software Apps for classroom & homework
- Required or permitted on SAT*, ACT**, or AP* exams
- 3X the memory and faster than TI-83 Plus

TI-84 Plus Silver Edition – Best Full-featured Graphing Calculator

- Best choice for Algebra 1 & 2, Geometry, Precalculus, Statistics, Finance, Chemistry & more
- Includes online homework help
- Preloaded with 1000 SAT* & ACT** test prep questions
- Comes with USB cable for downloading software
- Over 20 preloaded software Apps for classroom & homework
- Required or permitted on SAT*, ACT**, AP* exams
- Includes Periodic Table, organizer & spreadsheet software
- Make it unique with available color faceplates
- 9X the memory and faster than TI-83 Plus

*AP & SAT are registered trademarks of the College Board, which was not involved in the production of and does not endorse this product.
**ACT is a trademark of ACT, Inc., which does not endorse this product.

Exhibit F12 to Declaration of Martha Ann Sandstedt



TI-84 Plus Silver Edition

TEXAS INSTRUMENTS

Why the TI-84 Plus Silver Edition?

- 100% compatible with the TI-83 Plus.
- Built-in USB port and external USB cable provide instant computer connectivity.
- Permitted or required on SAT[®] and ACT[™] college entrance exams, as well as AP[®] Calculus, AP Chemistry, AP Physics and AP Statistics.
- Free, preloaded test prep questions: 500 SAT and 500 ACT. Also includes electronic StudyCards[™] for AP exams.
- Preloaded software for more math and science courses: Algebra, Geometry, Precalculus (Trigonometry), Biology, Chemistry, Physics and more.
- Preloaded applications: Periodic Table, Cabri[™] Jr., Organizer, Spreadsheet and others.
- Greater memory: Nine times the capacity of the TI-83 Plus.
- Faster: More than twice the speed of the TI-83 Plus.
- Homework Help: Get a free 60-day subscription to Hotmath.com to support instruction using interactive step-by-step tutorials and other resources.

Visit 84silver.com for more details

© 2007 Texas Instruments

Exhibit F13 to Declaration of Martha Ann Sandstedt



TI offers comprehensive administrator support resources:

- Funding and Grant Writing
- Standards and Research
- FREE TI Technology Workshops
- Professional Development

education.ti.com/us/results

TI graphing calculators provide a true research-based solution.

TI graphing calculators are backed by numerous studies and scientifically-based findings. Research* shows that teaching with graphing technology improves student success. A high percentage of teachers who require a graphing calculator in class specifically recommend a TI model. Plus a growing body of research indicates that using graphing calculators improves student math skills and student attitudes toward math. TI also supports educators with research-based professional development opportunities that lead to more effective teaching.



When you are being held accountable for school performance, you want measurable results you can trust. TI delivers the proof you need to make a well-informed decision.

tools | training | curricular materials education.ti.com
e-mail: ti-cares@ti.com call: 1.800.TI.CARES

©2006 Texas Instruments AD6323
* For research studies, visit education.ti.com/research.

 TEXAS
INSTRUMENTS

Exhibit F14 to Declaration of Martha Ann Sandstedt



GIVE YOUR PRESERVICE TEACHERS A
JUMP START
WITH TI TECHNOLOGY

A growing body of research shows that graphing calculator use improves students' math skills as well as their attitudes toward math.* T³ – Teachers Teaching with Technology™ realizes that there is a lot for preservice math and science teachers to know about teaching with technology, so we've developed the College Short Course program. This free one- to three-day hands-on workshop helps preservice math and science teachers to incorporate graphing calculators into their daily instruction.

We provide all the course materials and equipment for 15-40 students, plus a \$500 stipend for you to use to set up a venue and any other necessary arrangements.

Preservice teachers will gain a clear understanding of how to appropriately use TI technology as a powerful teaching tool. They'll even get to keep the TI-84 Plus Silver Edition graphing calculator they use during the T³ College Short Course. Plus, they'll receive a special gift from TI after they graduate and start their first teaching job. For more information or to apply for a College Short Course on your campus, visit www.math.ohio-state.edu/shortcourse.

- FREE 1-3 Day hands-on TI graphing calculator workshops
- Preservice teachers who attend get a free TI-84 Plus Silver Edition

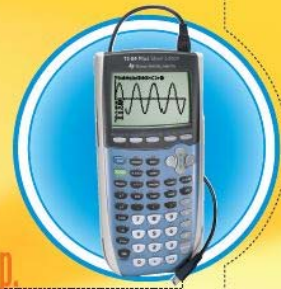
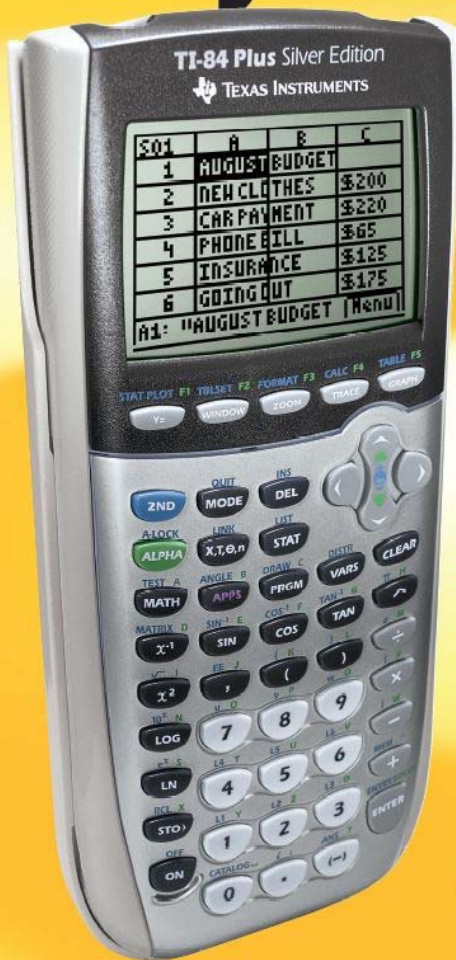
*See education.ti.com/research for more information.



T³ • Teachers Teaching with Technology™
College Short Course Program

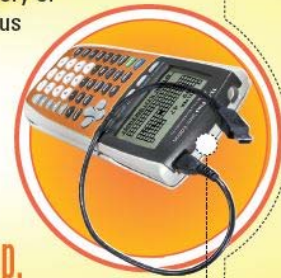
CL6305 Printed in USA ©2006 Texas Instruments

The TI-84 Plus Silver Edition Fully Loaded



Load it up.

9x the memory of
the TI-83 Plus



Hook it up.

USB cable included



Change it up.

Interchangeable Faceplates

84silver.com

TEXAS
INSTRUMENTS

Exhibit G1 to Declaration of Martha Ann Sandstedt

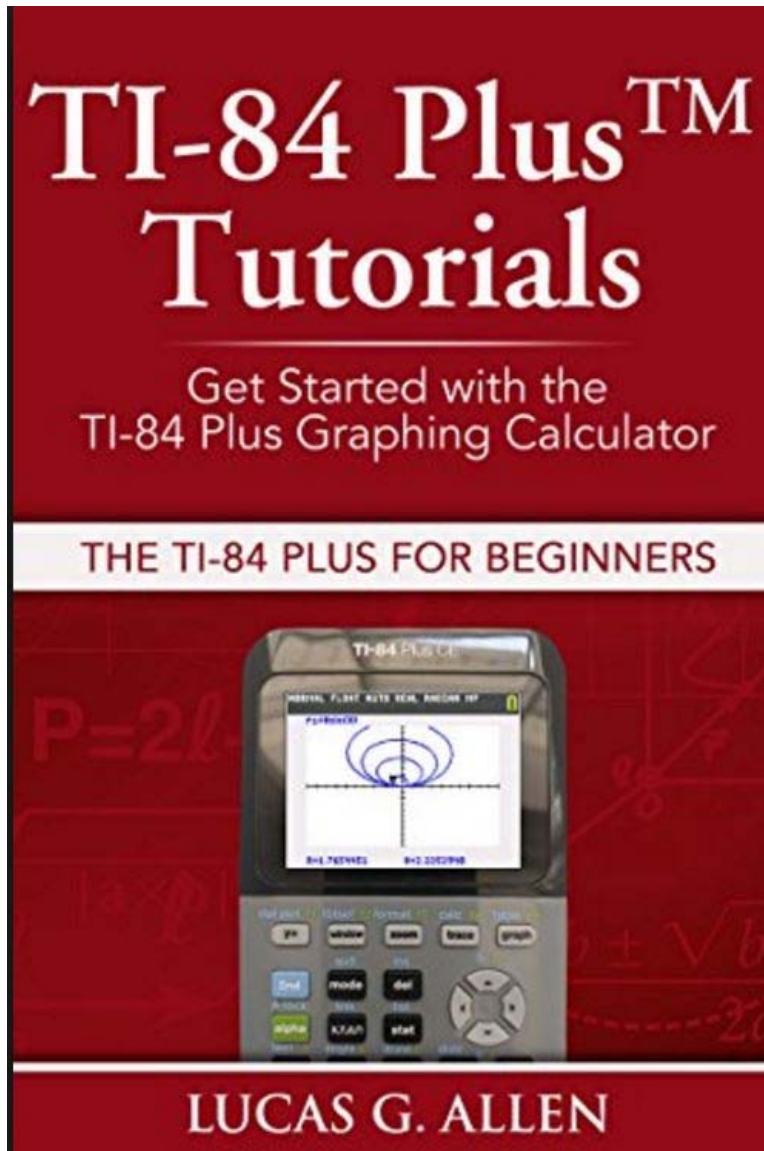


Exhibit G2 to Declaration of Martha Ann Sandstedt

Copyrighted Material

Also covers the TI-84 Plus CE and TI-84 Plus C Silver Edition

Using the TI-84 Plus

2nd Edition

Christopher R. Mitchell



 **manning**
Copyrighted Material

Exhibit G3 to Declaration of Martha Ann Sandstedt

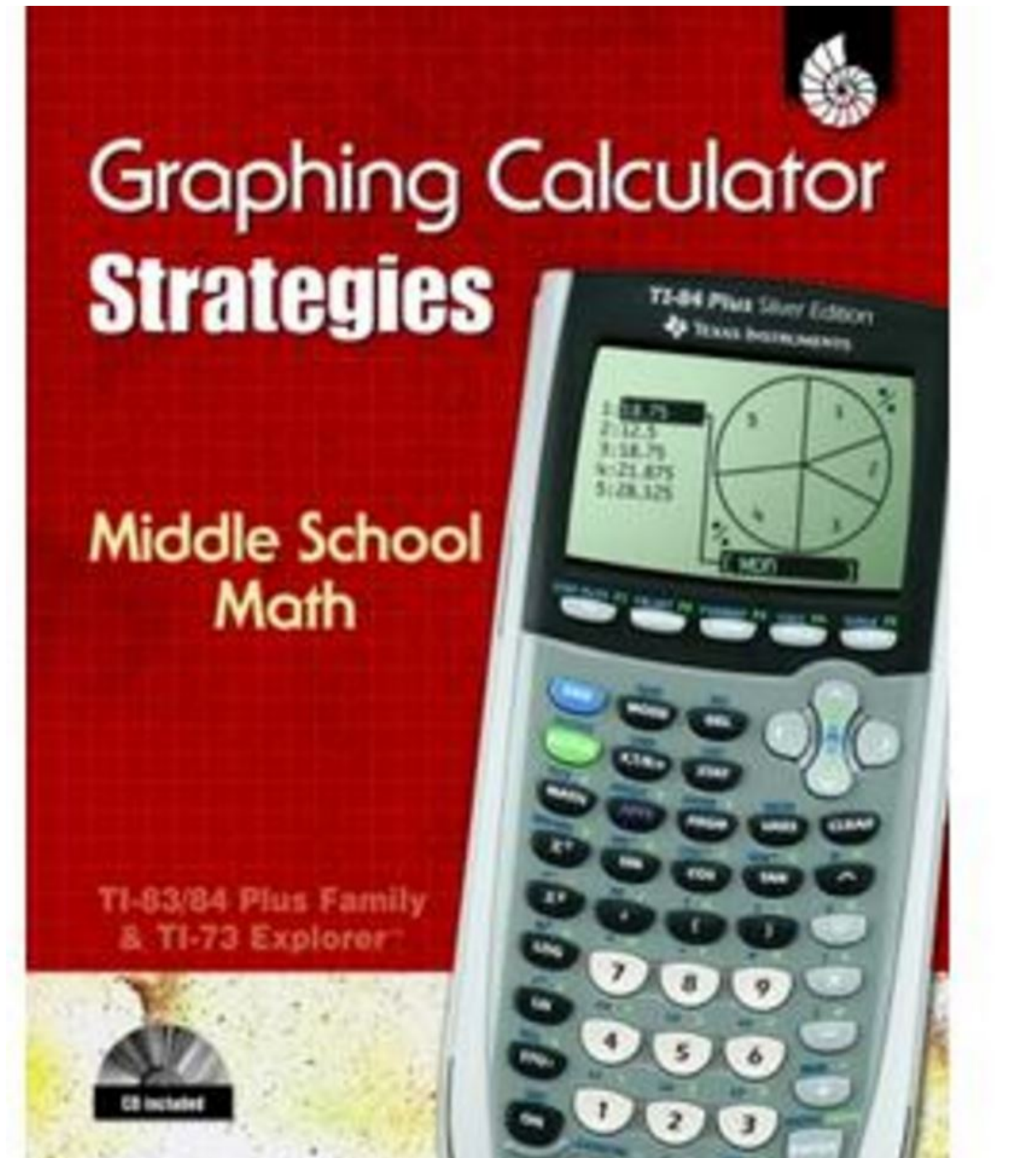


Exhibit G4 to Declaration of Martha Ann Sandstedt

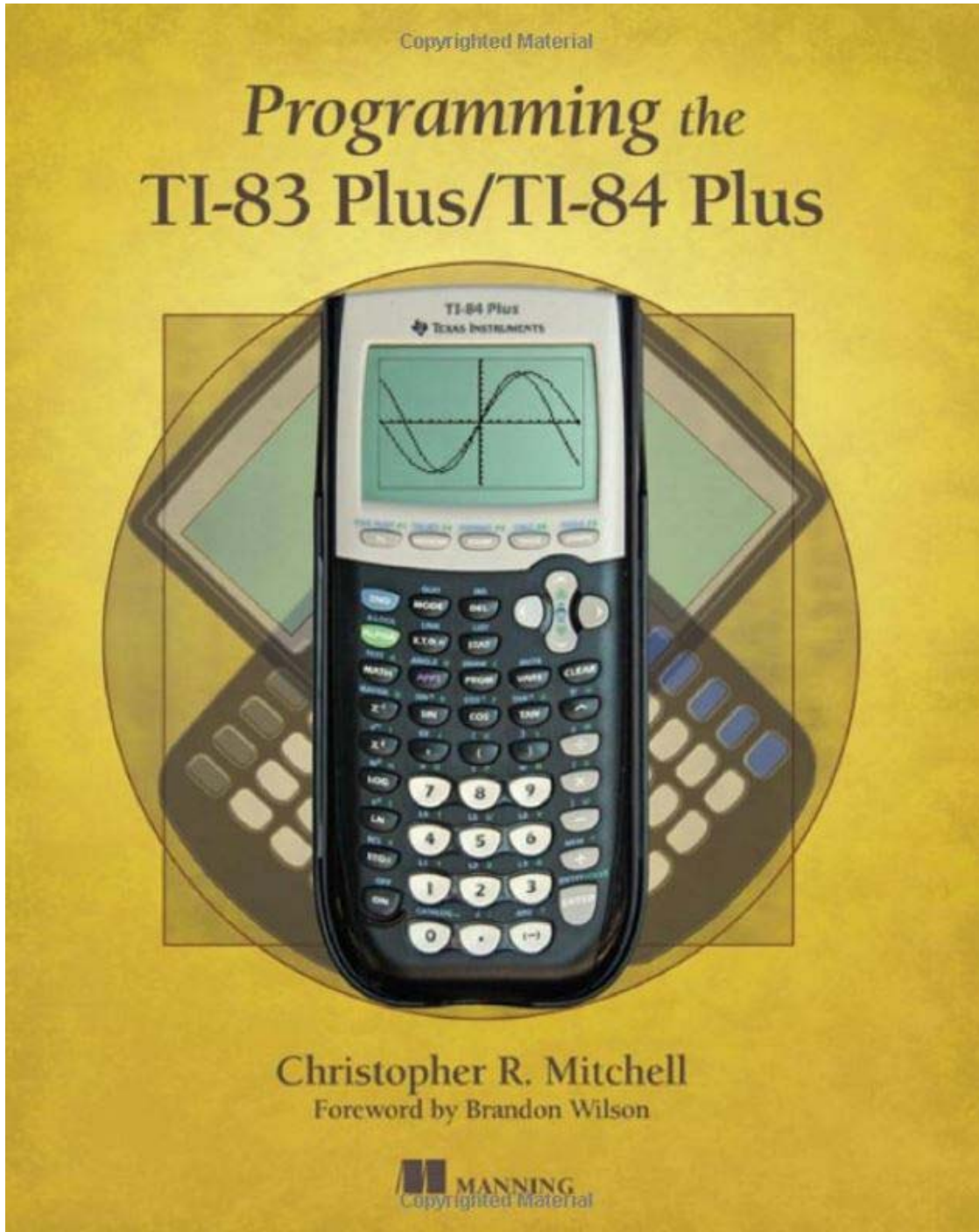



Exhibit G5 to Declaration of Martha Ann Sandstedt

Plotting Points on the TI 84 Plus Graphing Calculator

Plotting Points TI 84 Graphing Calculator



TI-84 Plus Silver Edition
Texas Instruments

Math Gives You Power
Copyright ©
www.mathgivesyoupower.com

Exhibit G6 to Declaration of Martha Ann Sandstedt

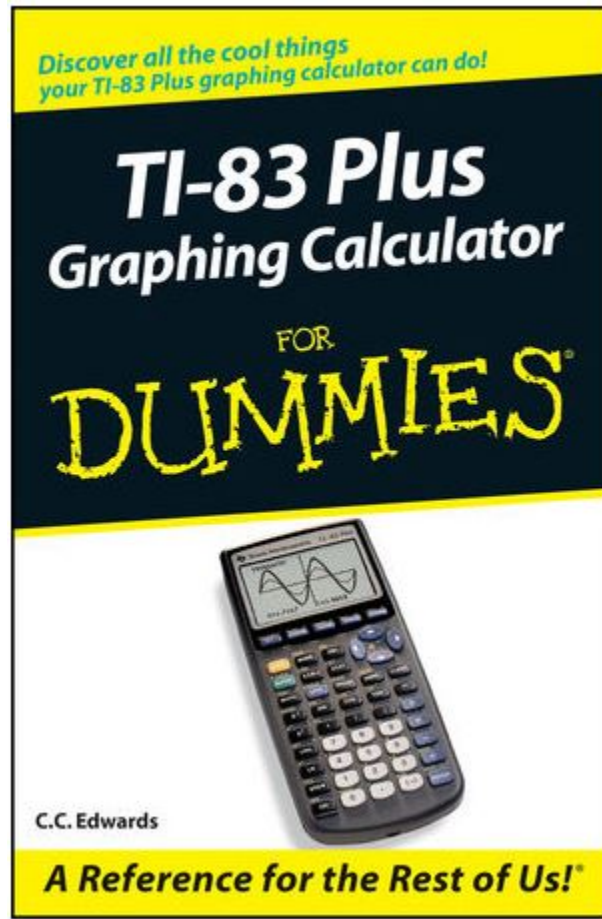



Exhibit G7 to Declaration of Martha Ann Sandstedt

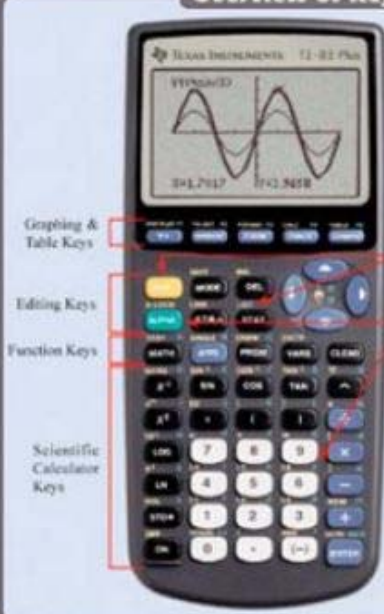
BarCharts, Inc.
Quick Study
ACADEMIC

WORLD'S #1 ACADEMIC OUTLINE
Copyrighted Material

TI-83 Plus Calculator



Overview of Keys



The functions in yellow become active when the 2ND key is pressed. For example, to access the list menu, press 2ND STAT . In this guide, this selection may be denoted as 2ND STAT .

The alpha characters in green become active when the ALPHA key is pressed. For example, to access the character "V," press ALPHA V .

aligning the + side of the battery with the + in the diagram, and replace the cover.

- To replace the lithium battery, remove the screw from the lithium battery cover and install the battery with the + side facing up. Replace the cover by screwing it back in place.
- It is not recommended to replace both the AAA batteries and lithium battery at the same time.

Setting Modes

Mode settings interpret how the TI-83 Plus displays and interprets numbers and graphs. To change modes, press MODE , then use the arrow keys ↑ , ↓ , ← , and → and press ENTER when the desired setting is highlighted.

- Numeric notation:** "Normal" displays numerical expressions in standard form. "Sci" displays numerical expressions in scientific notation, using an "E" to display the power of 10. "Eng" displays numerical expressions in engineering notation, which is similar to scientific notation but allows one, two, or three digits before the decimal point.
- Number of decimal places:** "Float" displays up to 10 digits after a decimal point (up to when the decimal terminates). The numbers 0 through 9 display that particular number of digits to the right of the decimal (and include trailing zeros). This applies to answers displayed on the home screen, coordinates on a graph, coefficients in regression equations, and calculated results under various other menus.
- Unit of angle measure:** "Radian" interprets angle values as radians, and "Degree" interprets angle values as degrees. This is used primarily when calculating with trigonometric functions and polar and rectangular coordinates.
- Type of graphing:** "Func" is used when graphing functions where Y is a function of X. "Par" is used when graphing parametric functions where X and Y are functions of T. "Pol" is used when graphing functions where r is a function of θ . "Seq" is used when graphing sequences.
- Graph point display:** "Connected" draws a line that connects each point calculated for each function. "Dot" plots each point calculated for each function.
- Graph order:** "Sequential" draws one function completely before any other function is drawn. "Simul" draws values for all functions for a single value of X and then draws values for all functions for the next value of X, etc.
- Complex number activation:** "Real" does not display complex numbers unless complex numbers are entered. "a+bi" and "r \angle θ " display complex numbers in the corresponding form.
- Screen display:** "Full" uses the entire screen as a display. "Horiz" displays graphs on the top of the screen and the home screen or other editor on the bottom half of the screen. "G-T" displays graphs on the left half of the screen and the corresponding table on the right half of the screen.

General Info & Basics

Turning On/Off

- To turn on the calculator, press ON .
- To turn off the calculator, press 2ND OFF .
- If the calculator is on but not used for about five minutes, it will automatically be powered down. Pressing ON will turn the calculator on, and the screen will return exactly as it was before it was powered down.
- Turning the calculator off by pressing 2ND OFF clears any errors but does not clear settings and memory contents.

Adjusting Contrast

- The TI-83 Plus has 40 contrast settings. To change contrast, press 2ND and hold down TAG or C . As you change the contrast, a number from 0 through 9 appears in the top-right corner; each number corresponds to four settings.

Choosing Commands

- Many of the more advanced calculations that are used with the TI-83 Plus are located in various menus.
- To access a menu, select it with the associated function key and then navigate through the menu using the arrows.
- Many menus have submenus. To access a particular submenu, use the left and right arrows ← , → .
- To select a command from a menu, enter the number of the command or navigate using the arrows and press ENTER .
- You can also choose commands and operations using the calculator's catalog. Obtain the catalog by pressing 2ND CATALOG .

Replacing Batteries

- The calculator uses four AAA batteries and one lithium battery. When the batteries in the calculator need to be replaced, a message displays on the screen: "Your batteries are low. Recommend change of batteries." This message may last up to 1-2 weeks, depending on the brand of batteries used. The calculator may not be able to download applications when the batteries are below a usable level.
- To replace the AAA batteries, turn off the calculator, push downward on the battery cover latch on the back of the calculator, and pull the cover toward you. Remove old batteries and dispose of them properly. Install new batteries according to the polarity diagram.

Display Cursors

There are a variety of cursors that appear on the TI-83 Plus screen. How the cursor appears affects how the calculator interprets the next key pressed.

- Entry cursor (■):** This is the default cursor. When this cursor is displayed, any existing character is overwritten.
- Insert cursor (|):** This is accessed by pressing 2ND INS . When this cursor is displayed, a character is inserted at the cursor location.
- Second cursor (■):** This is accessed by pressing 2ND . When this cursor is displayed, the functions listed in yellow on the keyboard are activated when pressed.
- Alpha cursor (■):** This is accessed by pressing 2ND . When this cursor is displayed, the characters listed in green on the keyboard are activated when pressed. **NOTE:** This cursor also activates the solve command when 2ND SOLVE is pressed. The alpha cursor may be locked by pressing 2ND LOCK .
- Full cursor (■):** This indicates that the maximum characters have been entered or that the memory is full.

NOTE: Other cursors may be displayed in graphing menus and other applications.

Exhibit G8 to Declaration of Martha Ann Sandstedt

On Twitter a teacher asks the #mtbos (math twitter blogosphere) community...



Kristen Fouss @Fouss [Follow](#)

Ok, **#mtbos**, who has that blank TI that they give to the kids to color in appropriate buttons?

5:53 AM - 29 Sep 2015

casey @cmmteach · 29 Sep 2015
@Fouss I'm guessing @mathequalslove - search her blog. She has everything

Sarah Carter @mathequalslove · 29 Sep 2015
@cmmteach @Fouss Posted one a few days back under calculator tutorials.

casey @cmmteach · 29 Sep 2015
@mathequalslove @Fouss see... No mater the question, Sarah is usually the answer!

Kristen Fouss @Fouss · 29 Sep 2015
@cmmteach @mathequalslove That's the first place I looked! Just didn't go to the right place, I guess. Thanks! :)

Sarah Carter @mathequalslove · 29 Sep 2015
@Fouss @cmmteach app.box.com/s/qah7hnpdleqq...

Kristen Fouss @Fouss · 29 Sep 2015
@mathequalslove @cmmteach "just" found it. Thank you!

And another sends link to the community.

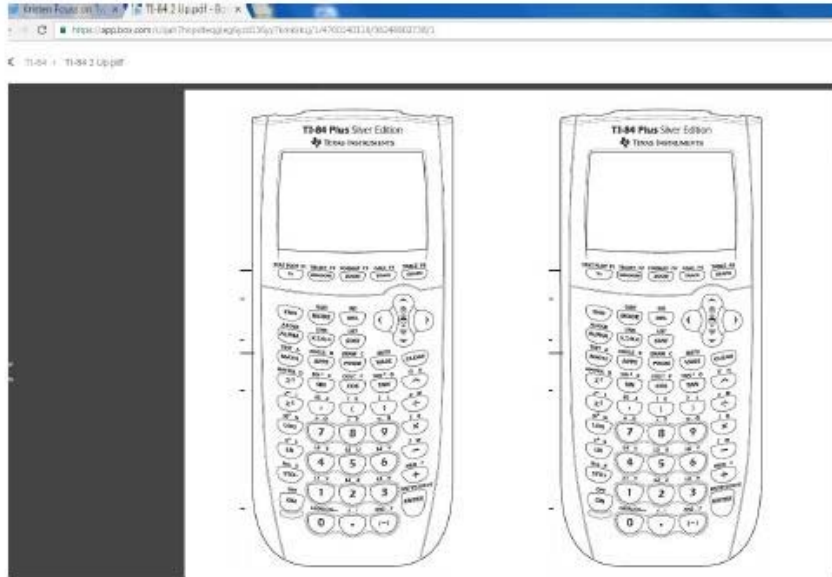

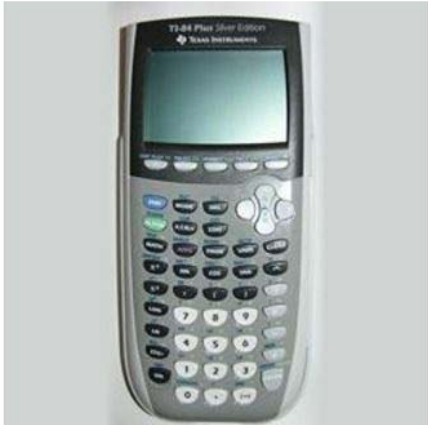


Exhibit H1 to Declaration of Martha Ann Sandstedt

f TI-84 Plus series  Stephen Home Fin

About TI-84 Plus series

Interest













The **TI-84 Plus** is a graphing calculator made by Texas Instruments which was released in early 2004. There is no original TI-84, only the TI-84 Plus and TI-84 Plus Silver Edition models. The TI-84 Plus is an enhanced version of the TI-83 Plus. The key-by-key correspondence is relatively the same, but the 84 features som...

[Continue Reading](#)

From Wikipedia, the free encyclopedia · [Edit on Wikipedia](#)

Related Pages

[?]

 <p>Calculadoras Programables</p> <p></p>	 <p>Facebook Marketplace Community</p> <p></p>	 <p>NetBrain</p> <p></p>	 <p>개밥 주는 남자</p> <p></p>	 <p>도기도기</p> <p></p>
---	--	--	--	--

[Show more](#)

Exhibit H2 to Declaration of Martha Ann Sandstedt

f TI-83 series 🔍 Stephen Home Find

About TI-83 series

Interest

The **TI-83 series** of graphing calculators is manufactured by Texas Instruments. The original TI-83 is itself an upgraded version of the TI-82. Released in 1996, it was one of the most popular graphing calculators for students. In addition to the functions present on normal scientific calculators, the TI-83 includes many...

Continue Reading

From Wikipedia, the free encyclopedia · [Edit on Wikipedia](#)


A photograph of a TI-83 series graphing calculator. The calculator is silver and black, with a small monochrome LCD screen at the top. Below the screen is a numeric keypad with various function keys, including a circular arrow key and several rows of smaller function keys. The calculator is centered against a plain, light-colored background.

Exhibit H3 to Declaration of Martha Ann Sandstedt

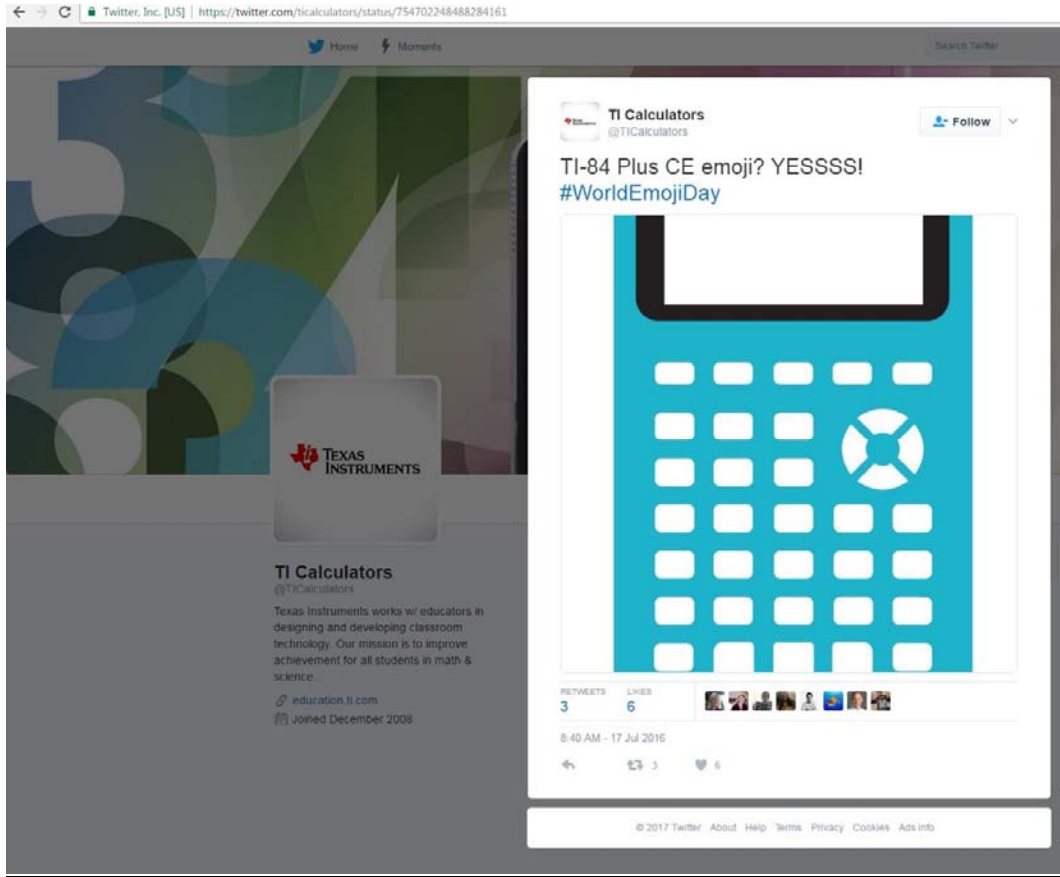


Exhibit H4 to Declaration of Martha Ann Sandstedt

Instagram | Search | Get the app | Sign up | Log in

#ti84

2,095 posts

TOP POSTS

Asian mom: I caught your son using
Asian dad: dear god, drugs?
Asian mom: worse, a calculator
Asian dad: I HAVE NO SON!!!





Pokémon on TI-84 Calculator!
(With Download)

465,767 views

Published on Aug 16, 2016 - I know, I know, this video is WAAAAAY overdue. Like at least a few months. I'm sorry. I was doing stuff. But anyway, now it's here and you can download the program



TI-84 Plus Silver Edition
TEXAS INSTRUMENTS

THE PUZZLE PACK GAMES LIST

- DINO PUZZLE
- Block Dude
- PUZZLE FRENZY
- TEEBOT



TEXAS INSTRUMENTS

Pokémon RED VERSION

VIDEO GAME

PIKACHU



TEXAS INSTRUMENTS

MAZE



THIS COULD BE US

@engineering_memes

BUT YOU DON'T LIKE MATH




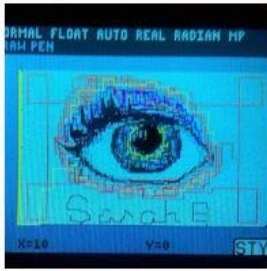


NOT AFFILIATED WITH THE CALCULATORS



MOST RECENT





NORMAL FLOAT AUTO REAL RADIAN HP
MMI PEN

Search E

X=10 Y=0



**BETWEEN HUMAN
AND CALCULATOR**

Exhibit H5 to Declaration of Martha Ann Sandstedt

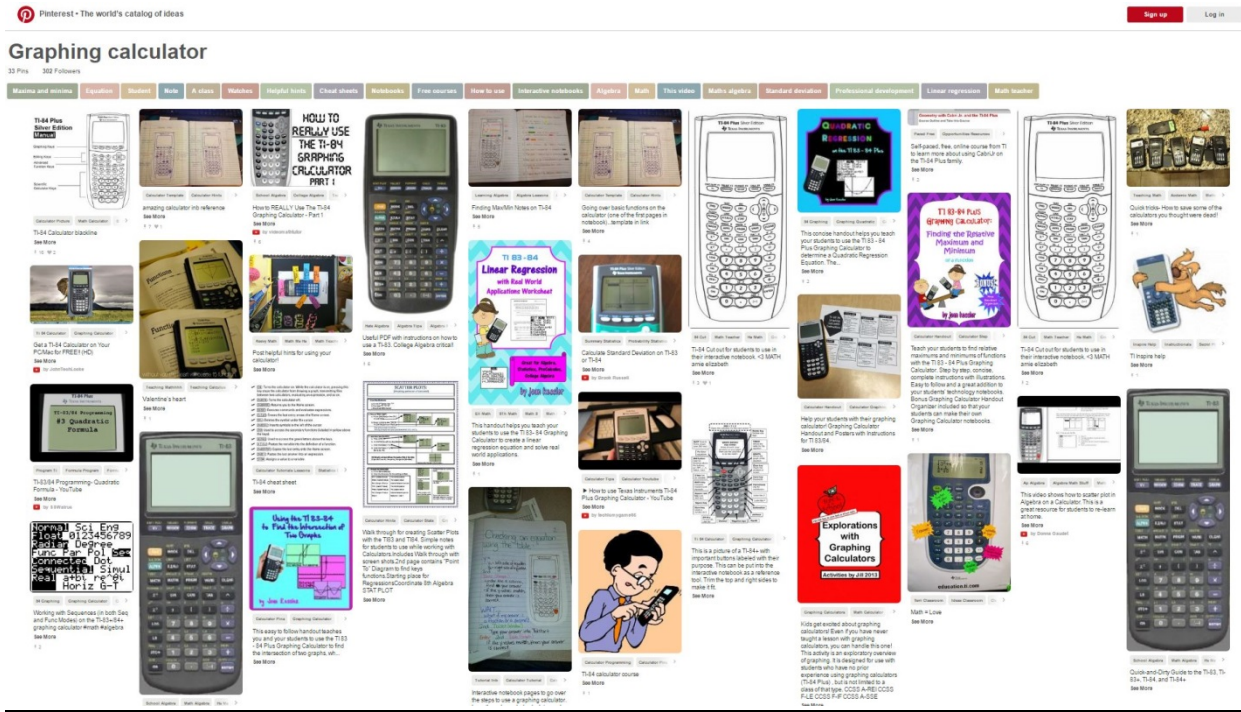


Exhibit I1 to Declaration of Martha Ann Sandstedt



Exhibit I2 to Declaration of Martha Ann Sandstedt



Exhibit I3 to Declaration of Martha Ann Sandstedt



Exhibit I4 to Declaration of Martha Ann Sandstedt

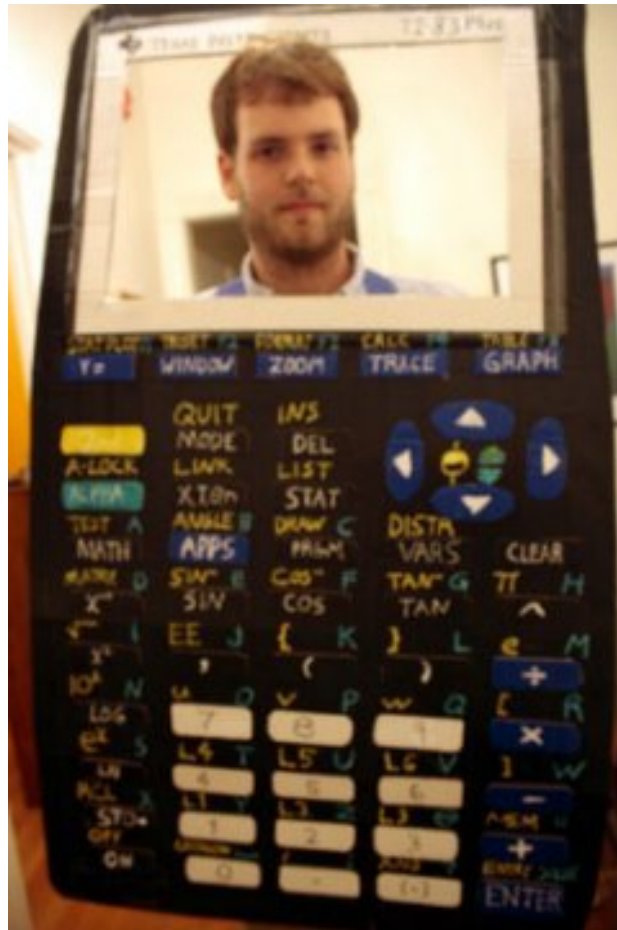


Exhibit I5 to Declaration of Martha Ann Sandstedt

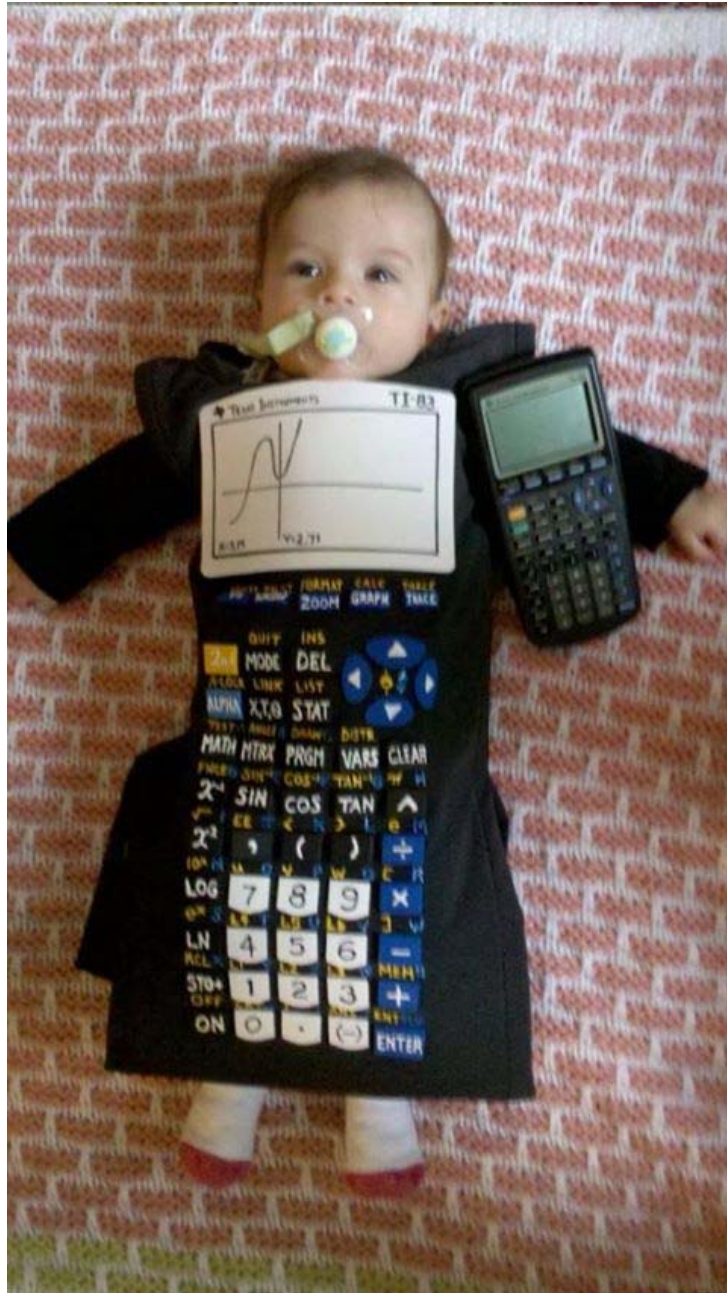


Exhibit I6 to Declaration of Martha Ann Sandstedt



Exhibit I7 to Declaration of Martha Ann Sandstedt

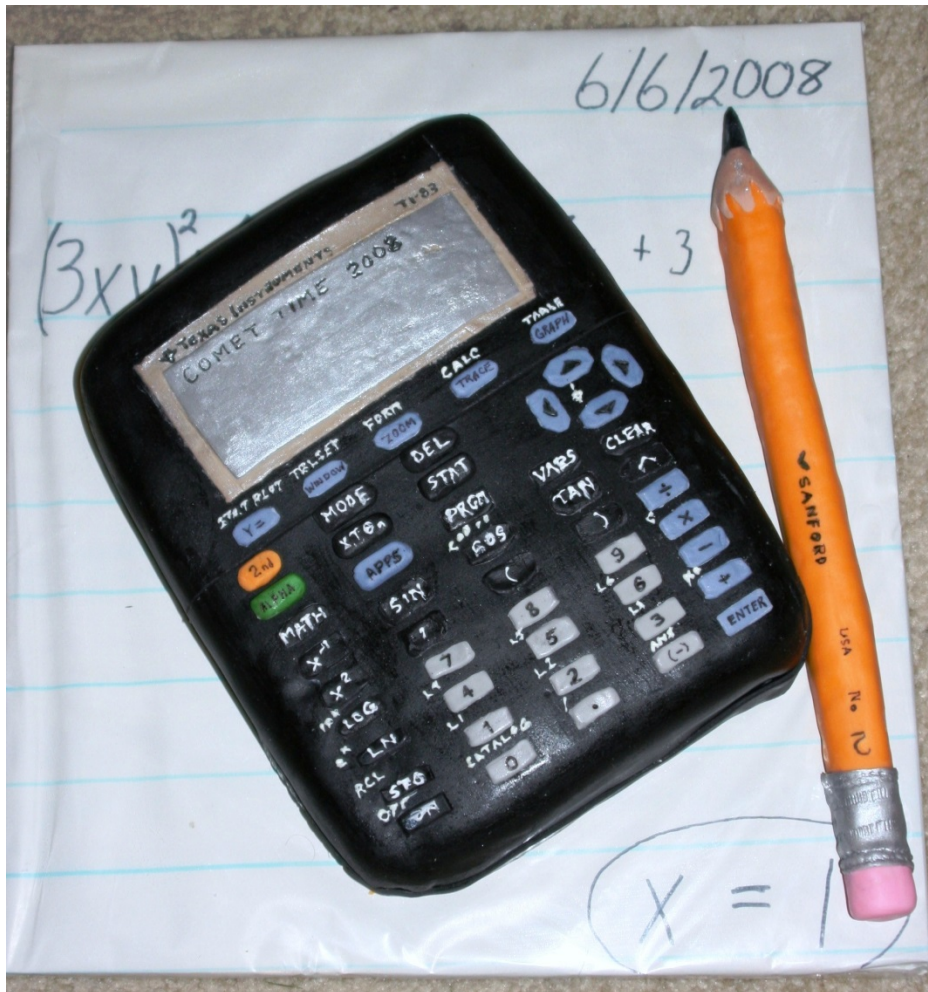


Exhibit I8 to Declaration of Martha Ann Sandstedt



Exhibit I9 to Declaration of Martha Ann Sandstedt



Exhibit I10 to Declaration of Martha Ann Sandstedt



Exhibit I11 to Declaration of Martha Ann Sandstedt



Exhibit I12 to Declaration of Martha Ann Sandstedt



Exhibit I13 to Declaration of Martha Ann Sandstedt



Exhibit I14 to Declaration of Martha Ann Sandstedt

