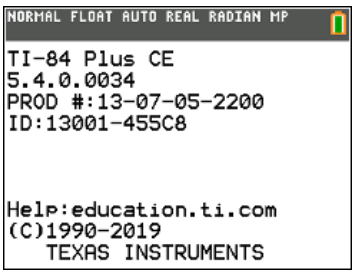

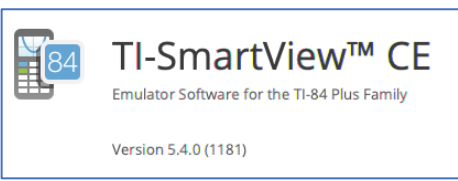


Valuable Little Known Tips & Tricks for the TI-84 Family of graphing calculators and TI-SmartView for TI-84 Plus CE

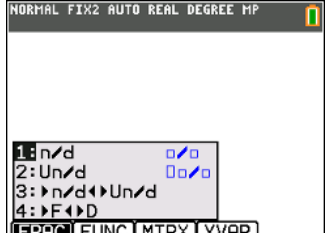
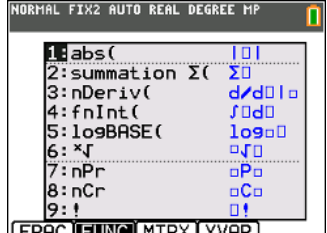
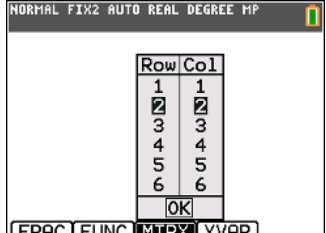

Corey Bobby, coreybobby@yahoo.com
Tracy Watson, tracymath@yahoo.com

What version do you have?

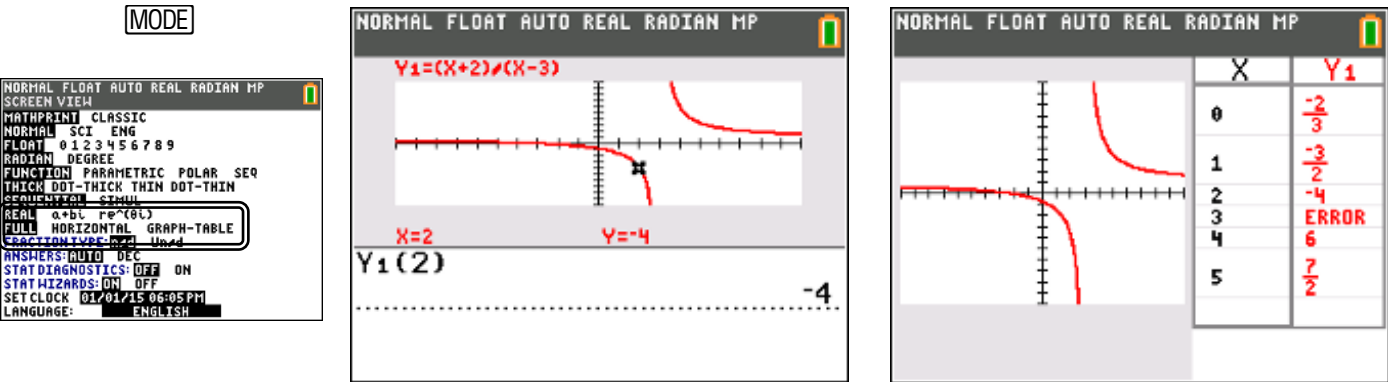
Calculator OS?	TI Connect?	TI Smartview?
<p>Calculator OS?</p> <p>2nd + 1</p> 	<p>TI Connect?</p> <p>Help>About TI Connect CE</p> 	<p>TI Smartview?</p> <p>Help>About TI-Smartview CE</p> 

The TI-84 Plus CE as an evaluator of complex expressions including quadratic formula

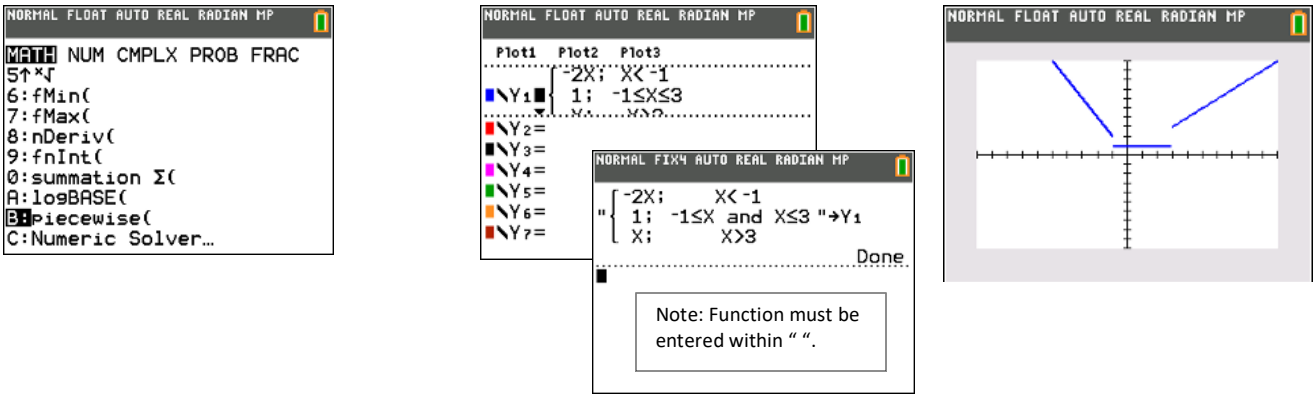
Calculator soft keys: **[F1]****[F2]****[F3]** **[F4]**

ALPHA Y=	ALPHA WINDOW	ALPHA ZOOM	ALPHA TRACE
			

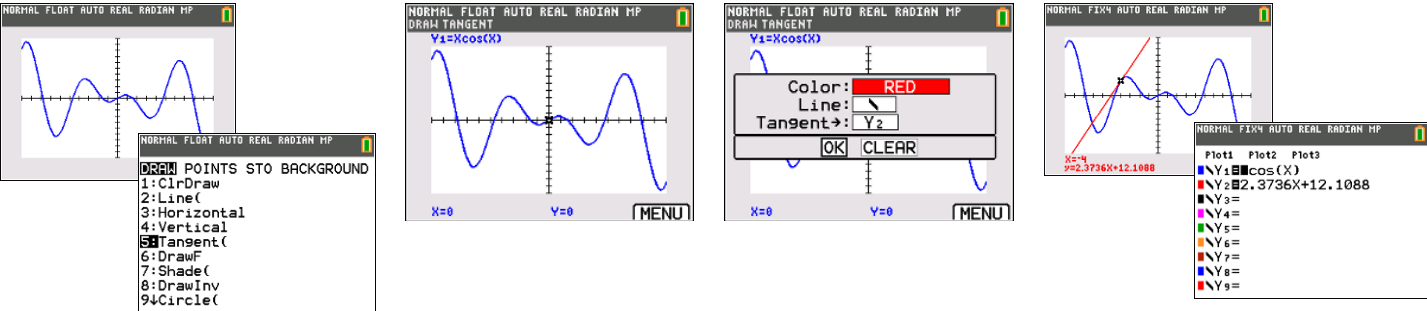
The TI-84 Plus CE as a graph tracer and table simultaneously PLUS



Graphing Piecewise Defined Functions



Interactive Draw Tangent



The TI-84 Plus CE storing window settings and MORE

ZOOM

NORMAL FLOAT AUTO REAL Radian MP

ZOOM MEMORY

1:ZPrevious

2:ZoomSto

3:ZoomRcl

4:SetFactors...

Built-in Zoom Options

NORMAL FLOAT AUTO REAL Radian MP

ZOOM MEMORY

1:ZBox

2:Zoom In

3:Zoom Out

4:ZDecimal

5:ZSquare

6:ZStandard

7:ZTri9

8:ZInteger

9:ZoomStat

NORMAL FLOAT AUTO REAL Radian MP

ZOOM MEMORY

9:ZoomStat

0:ZoomFit

A:ZQuadrant1

B:ZFrac1/2

C:ZFrac1/3

D:ZFrac1/4

E:ZFrac1/5

F:ZFrac1/8

G:ZFrac1/10

The TI-84 Plus CE investigating transformation graphing with lists

L₃ = -L₁ versus L₄ = "-L₂"

NORMAL FLOAT AUTO REAL Radian MP

L1	L2	L3	L4	L5	3
3	9	-----	-----	-----	
4	10				
3	6				
7	7				
4	4				
4	0				
4	2				
3	1				
5	3				
3	6				

L3(1)=

NORMAL FLOAT AUTO REAL Radian MP

L1	L2	L3	L4	L5	4
3	9	-3	-9	-----	
4	10	-4	-10		
3	6	-3	-6		
7	7	-7	-7		
4	4	-4	-4		
4	0	-4	0		
4	2	-4	-2		
3	1	-3	-1		
5	3	-5	-3		
3	6	-3	-6		

L4= "-L2"

NORMAL FLOAT AUTO REAL Radian MP

Plot1 Plot2 Plot3

On Off

Type:

Xlist:L1

Ylist:L2

Mark : + .

Color: MAGENTA

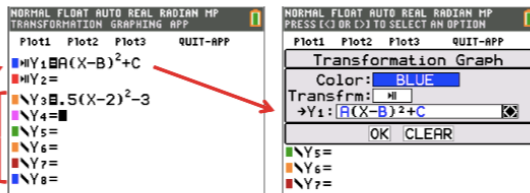
Transformation Graphing APP – updated

Need

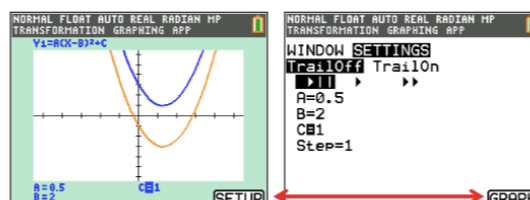
Transform a function to a parent function.

Update

- Two transform functions! (new)
- Graphs in Y3-Y0 allowed! (new)

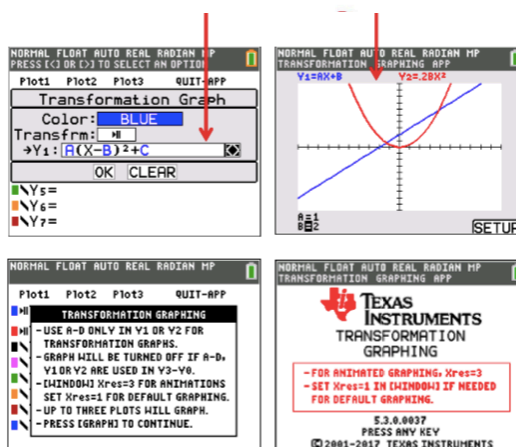


- SETUP now moves from GRAPH to SETTINGS for easy setup.

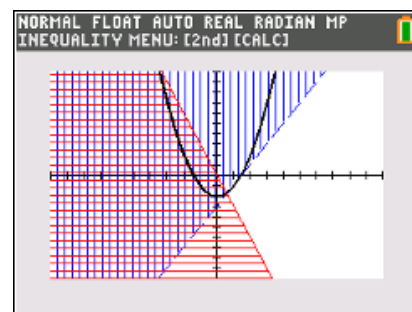
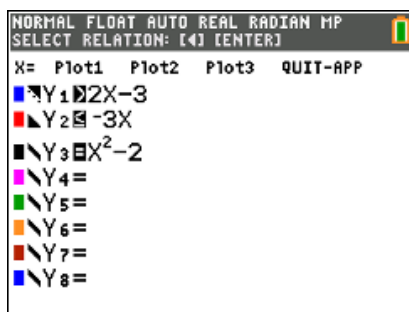
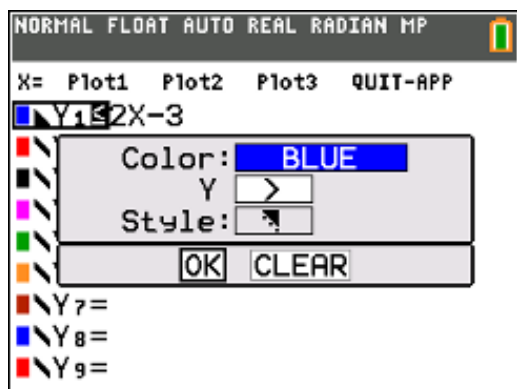


Note: Transformation Graphing App v 5.3 will only run on CE OS 5.3 or higher. App must match OS version!

- Two transform functions! (new)
 - Use the new spinner to populate standard functions!
 - Use only A,B,C, and D for transformations (existing)
- Graphs in Y3-Y0 allowed! (new)
 - Do not reference Y1 or Y2.
 - Do not use A-D in Y3-Y0. Reserved.
- Launches with Xres=3 vs Xres=1.
 - If Y3-Y0 are not smooth, consider changing Xres = 1 in [window] (default for OS).
 - If Xres=1, any Transformation animations will be slow.
 - Run App only when transformation is needed.



Inequality Graphing APP



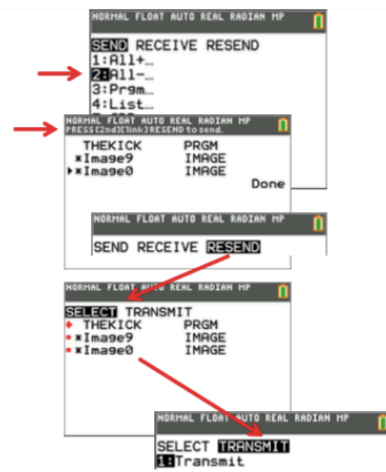
Classroom Management – Unit-Unit RESEND File Transfer Enhancement

Problem: “I want my students to experience STEM in Sports “The Kick!” but I have to transfer to each calculator twice!

First the program and then the two Image Vars. Help!

Solution: Retain a list of different calculator file types* to “resend.”

- Transfer first set of files
 - Select the mixed file types from All-
 - Transmit (send) the files to a connected calculator in Receive state (Waiting...)
 - The RESEND screen populates with this set of files.
- “RESEND” - Resend a set of files unit to unit [2nd] [link] (above [X,T,θ,n])
 - After “Done” confirmation screen,
 - [2nd][link] RESEND seen on Context Help line
 - Set up Receiving calculator to “Waiting...”
 - Select TRANSMIT from the RESEND screen to resend.
 - Files can be deselected if needed.



The TI-84 Plus CE Classroom Solution – Version 5.4

Quick Glance at the updates for TI-84 Plus CE OS v5.4

Graphing

- Piecewise Function Graphing
- Sequence Editor – minor update

Support Curriculum

- Interactive Draw: Tangent → YVar
- Quick Plot – skip regression; store points

Classroom Management – CE File transfer

- RESEND set of mixed calculator files

TI-Basic Programming Support (STEM)

- TI-Basic Program editing menu
- Programs run from RAM or Arc memory
- Ignore end of line extra spaces

Ease of Use

- n/d key – 84 keypad shortcut
[ALPHA] [X,T,θ,n]

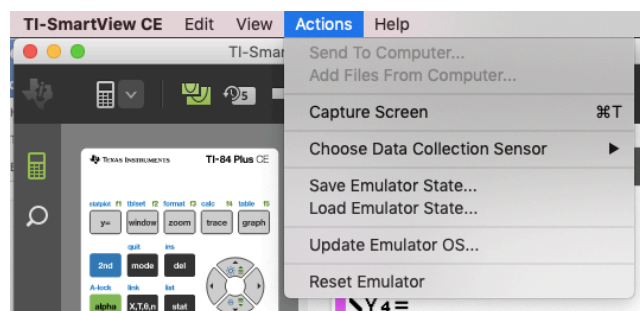
Apps

- Transformation Graphing
- Polynomial Root Finder & System of Equation Solver
- Hub App (command updates for TI-Innovator system)
- Periodic Table
- TI TestGuard CE
- SmartPad CE

Quick Glance at the updates for TI-SmartView CE 5.4

CE Feature Only

- Create, save, and load a customized CE emulator state for each class period
- Provides a “clean” starting point for each class (functions, lists, programs, etc)



Quick Glance at the updates for TI Connect CE 5.4

“TI CE Bundle” for ONE file CE update

- OS, Apps, and Image Vars all in one update

Program Editor Updates

- Updated for all OS commands
- All Hub App TI-Innovator commands

Help Menu updates

- Online Help link
- TI-Basic Getting Started Guide link
- TI-Innovator Getting Started Guide link

TI-84 Plus CE Bundle Contents

- Calculator OS 5.4
- CE Apps: Cabri Jr, Cell Sheet, Conics, EasyData, Hub for TI-Innovator (menu in [prgm]), **Inequality Graphing**, Periodic Table, Polynomial & System of Equations Solver, Probability Simulations, Science Tools, SmartPad CE, Transformation Graphing, Languages
- Image Vars: Bridge, Slide, Flower, Drinking Fountain, Star Fish

