I. Calculator Features

[Click HERE for a video on using the calculator](#)

Click these for different templates as needed

Click the arrow for enter/equals

Change from Degree to Radian and Store and Recall values.

Swipe up on the keypad to view commonly used keys
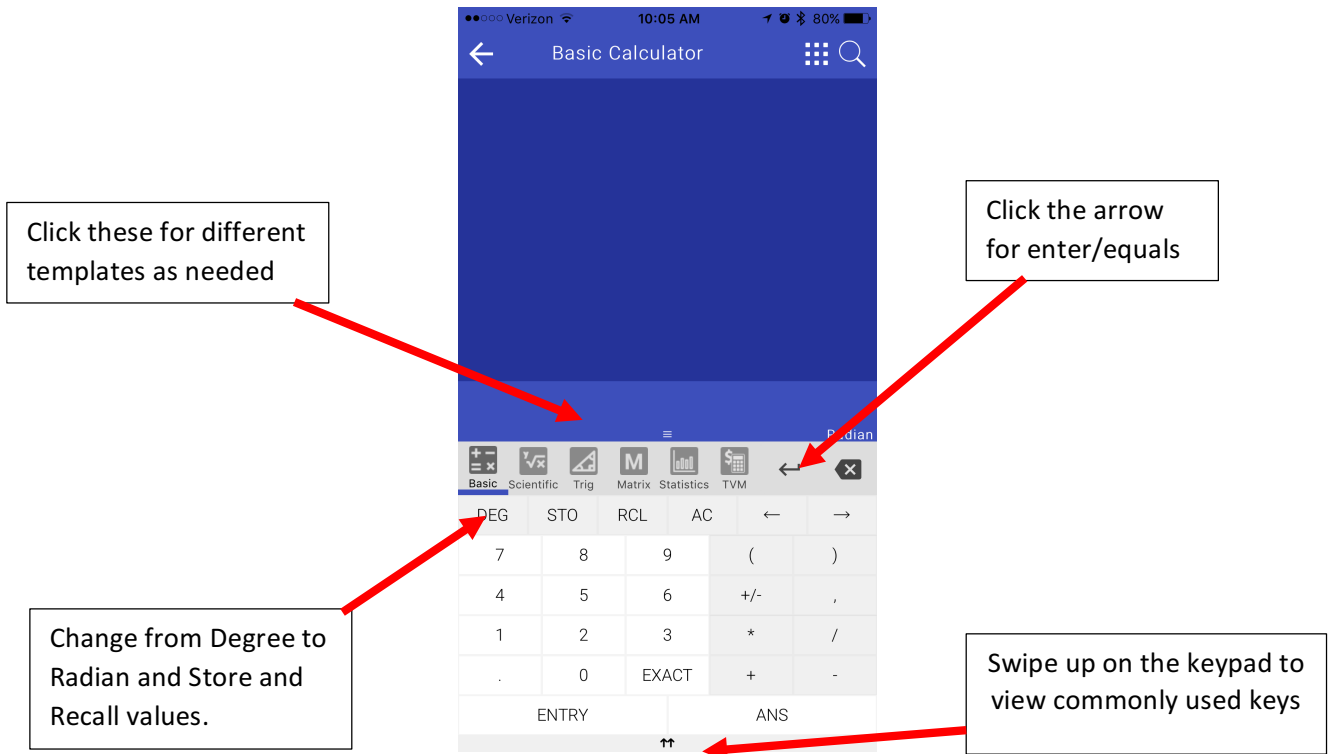
The calculator can be used in landscape mode as well, just turn your device to the side and view two calculators at once!

Calculator Search Feature

If you cannot find a calculator feature, do not remember what it is, or confused as to how to type it in – no worries! Just click on the magnifying glass in the upper right corner to pull up our search feature.

Search Feature – simply click the magnifying glass on any calculator screen and type in the function your need!

It will pull up the function you are searching for and automatically place it into the entry bar

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🔍 Co| ✕
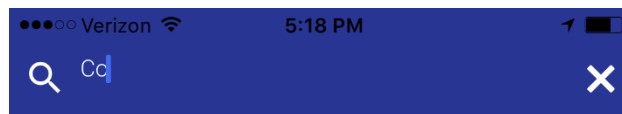
combination
Compute the number of ways of picking k unordered outcomes from n possibilities.
eg: nCr(7, 5) = 21

cosine
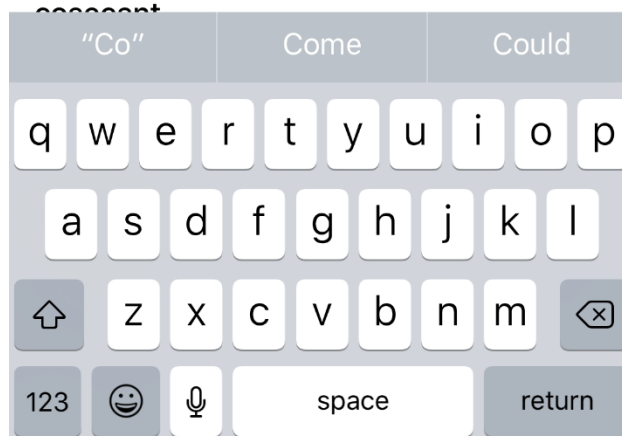Calculate the cosine of a value
eg: cos(0) = 1

arccos
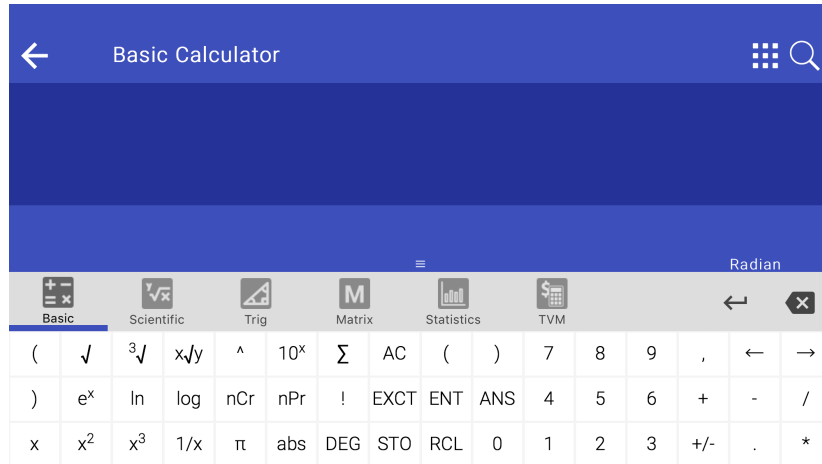Calculate the inverse cosine of a value
eg: acos(0.5) = 1.0471975511965979

cosecant

| "Co" | Come | Could |

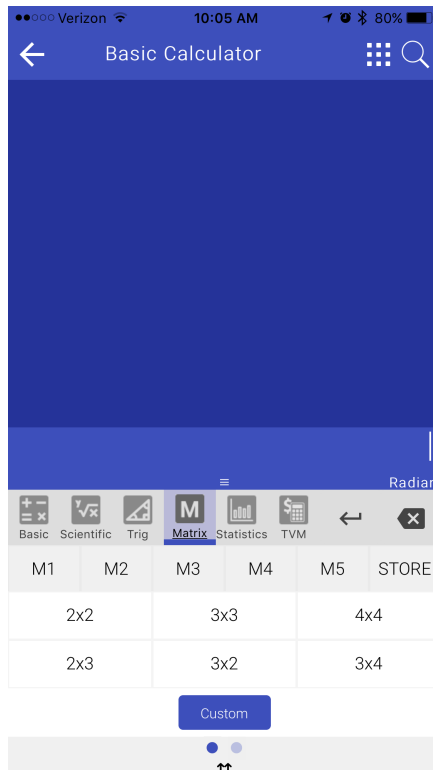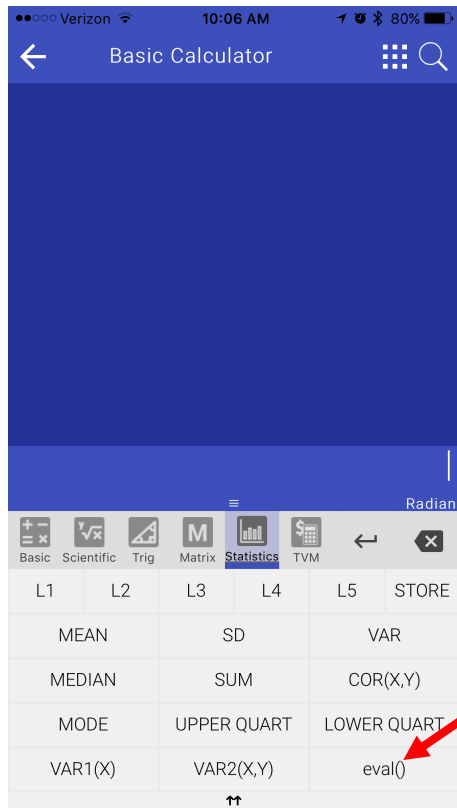| q | w | e | r | t | y | u | i | o | p |
a	s	d	f	g	h	j	k	l
⇧	z	x	c	v	b	n	m	⌫
123	😊	🎤	space	return

Other Calculator Features – Landscape Mode, Matrix, Statistics, and TVM

Turn your device to the side to view the calculator in landscape mode

Click HERE to watch a tutorial on how to use the Matrix calculator

Store data sets in lists to use or directly type in the data values to compute

When you are ready to compute, and use the stat features, click the eval() button

Enter in the known values into the boxes on the screen and leave the one you are trying to find blank
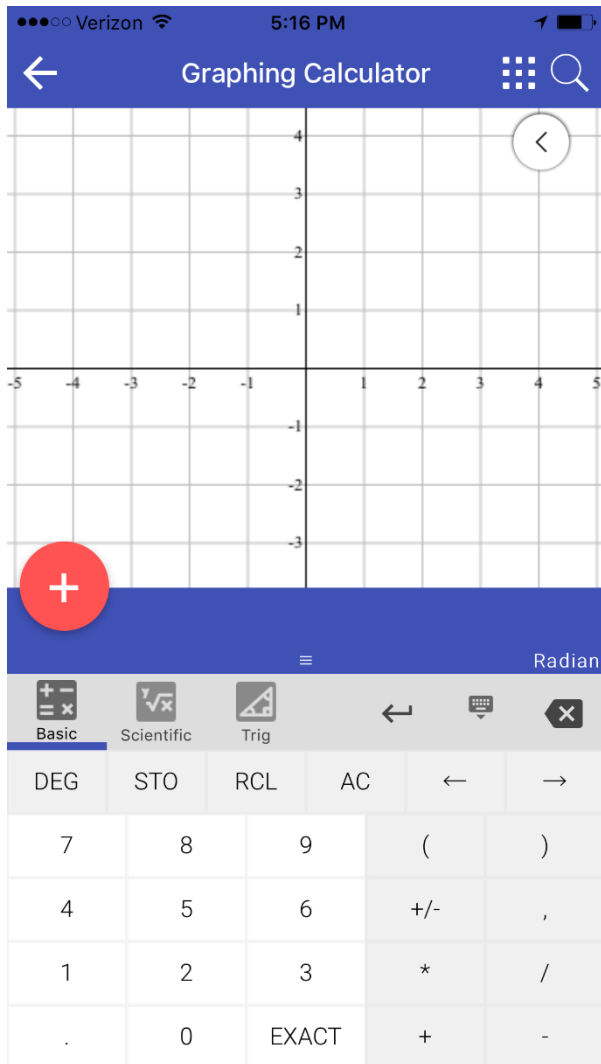
To find the missing value, leave the box blank above and then click on the one you are trying to find

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←   Basic Calculator   ⠿ 🔍

PV [   ]   r [   ]

FV [   ]   n [   ]

PMT [   ]   t [   ]

| |
| Radian |

| Basic | Scientific | Trig | Matrix | Statistics | TVM | ↵ | ⊗ |

STO	RCL	ANS	AC	←	→
PV	r	7	8	9
FV	n	4	5	6
PMT	t	1	2	3
EFF	+	-	0	.

⇈

II. Graphing Calculator

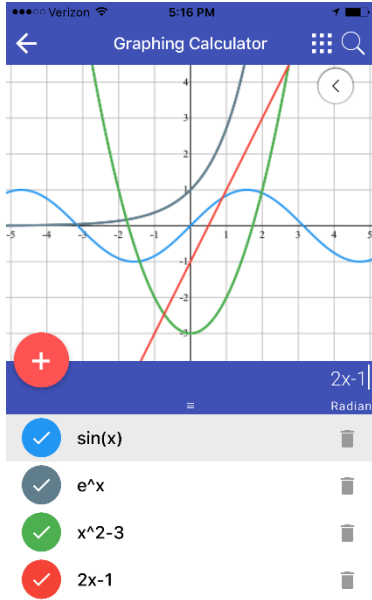In settings, you can change the background between black and white and change the thickness of the equations graphed!

←   **Graphing Calculator**   ⠿ 🔍
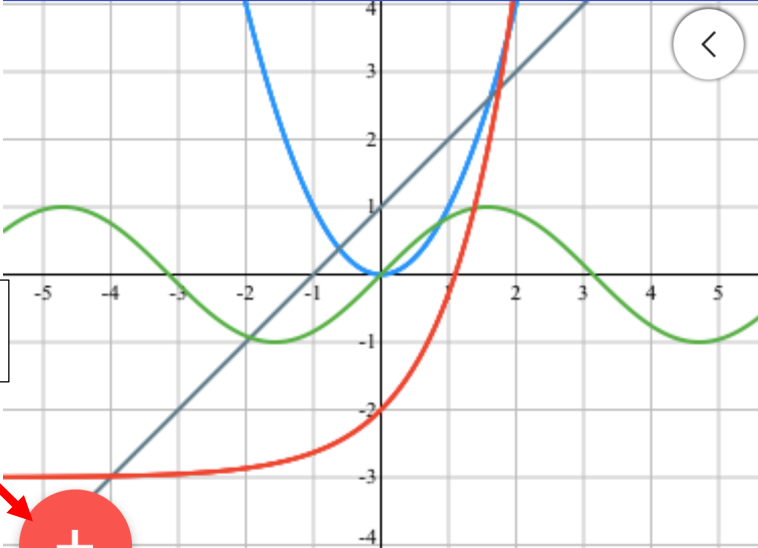
Click the red plus symbol to add a new equation to graph

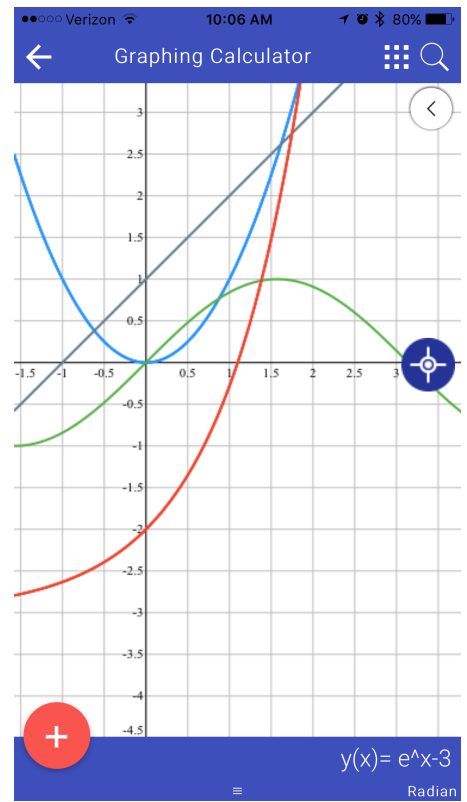**Click the Keyboard symbol to see the equations you have entered.**

$y(x) = e^{\wedge}x - 3$

Radian

Basic	Scientific	Trig	Matrix	Statistics	TVM		

DEG	STO	RCL	AC	←	→
7	8	9	(	)
4	5	6	+/-	,
1	2	3	*	/
.	0	EXACT	+	-
ENTRY			ANS	

⇈

There is no limit to the number of functions you graph and they are all color coded!

Swipe down on the keyboard to view your graphs full screen. It can also be done in landscape mode!

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Simply check or uncheck the function to have the graph shown. You can also delete the graph by clicking the trashcan symbol to the right of it.

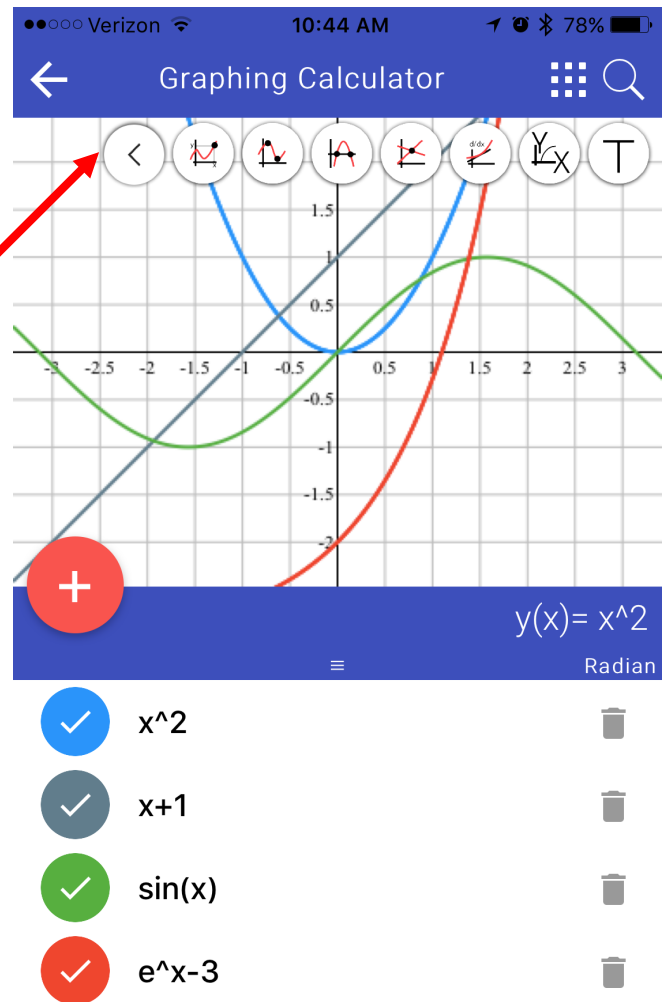$y(x) = x^2$

Radian

✓ x^2 🗑

✓ x+1 🗑

◯ sin(x) 🗑

✓ e^x-3 🗑

Other Graphing Features

Click the triangle symbol to show the additional graphing features including: trace, min/max, roots/zeros, intersection, derivatives, setting the window manually, and a table of values.

First select the equation you would like to find information about below in the list by clicking on it. For example, x^2 is selected above. From there, choose which feature you would like to use from the menu above and touch your screen on the graph to find the values.

Trace an equation to find corresponding X & Y values.
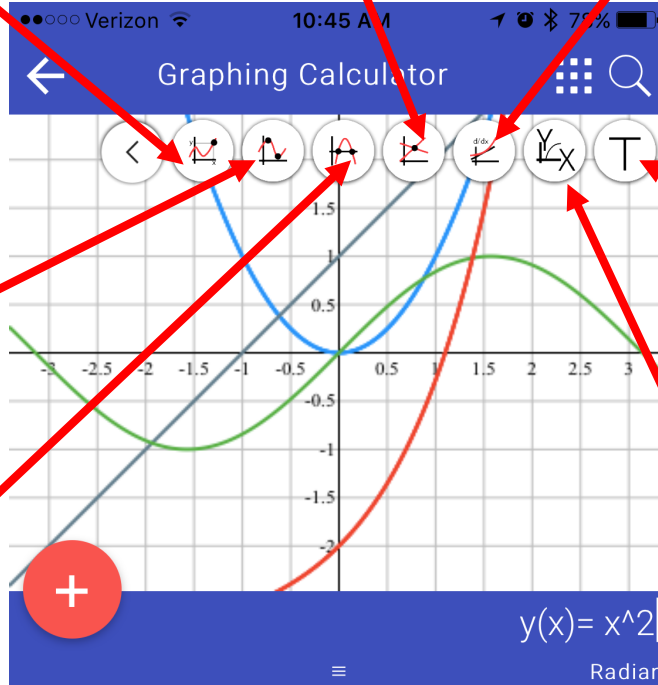
Find the intersection between two equations.

Find the derivative of the function at corresponding X values.

Find the maximum and minimum of an equation.

Table of Values

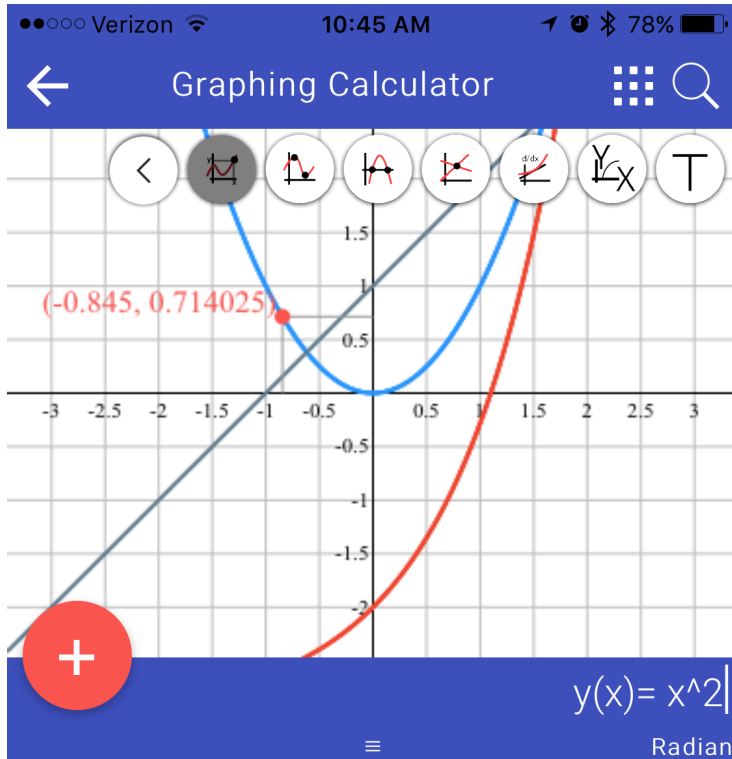Find corresponding values of X & Y

Find the roots/zeros of an equation.

Set the window manually

X & Y Axis

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Graphing Calculator

$y(x)= x^2$

Radian

✓ x^2   🗑

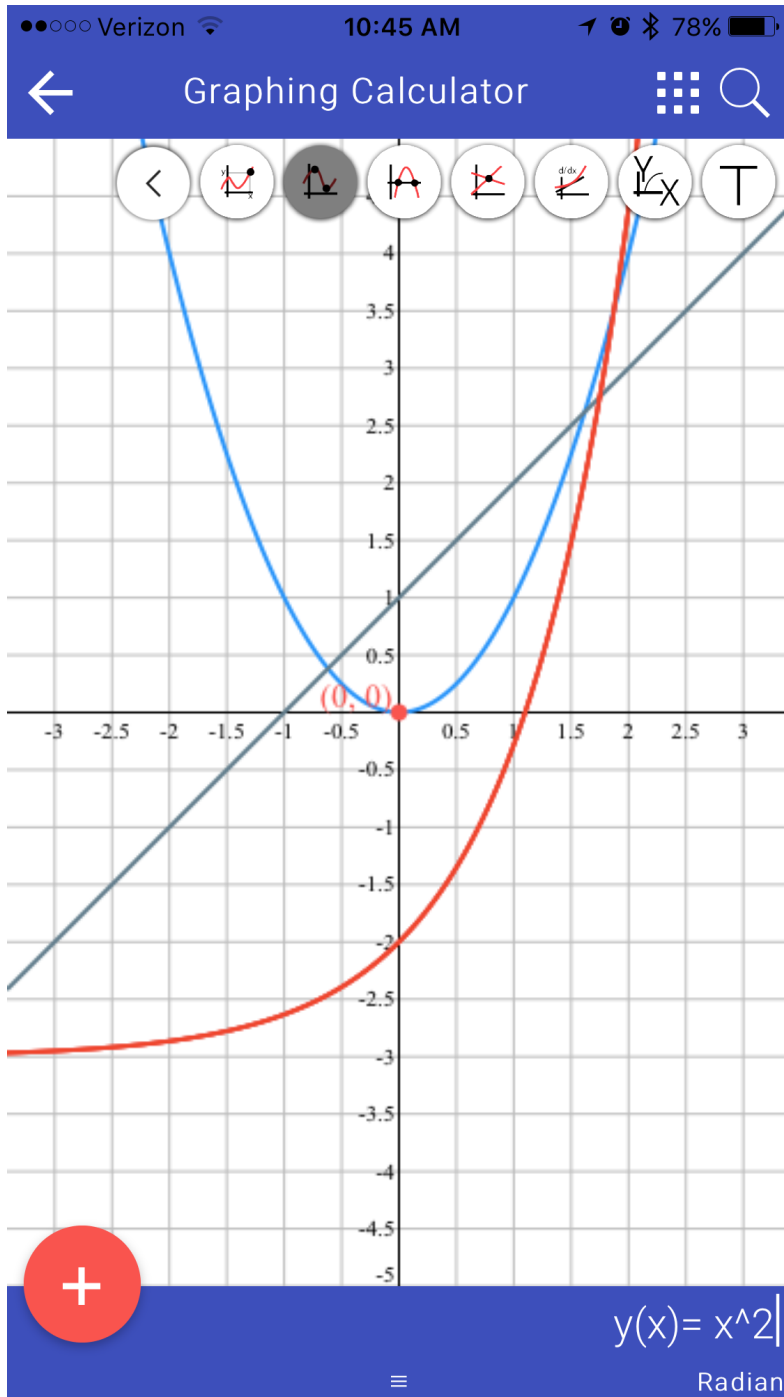✓ x+1   🗑

✓ sin(x)   🗑

✓ e^x-3   🗑

Trace Feature

First select the equation you would like to find information about below in the list. For example, x^2 is selected to trace here. Then drag your finger along the equation to find ordered pairs and trace the graph.
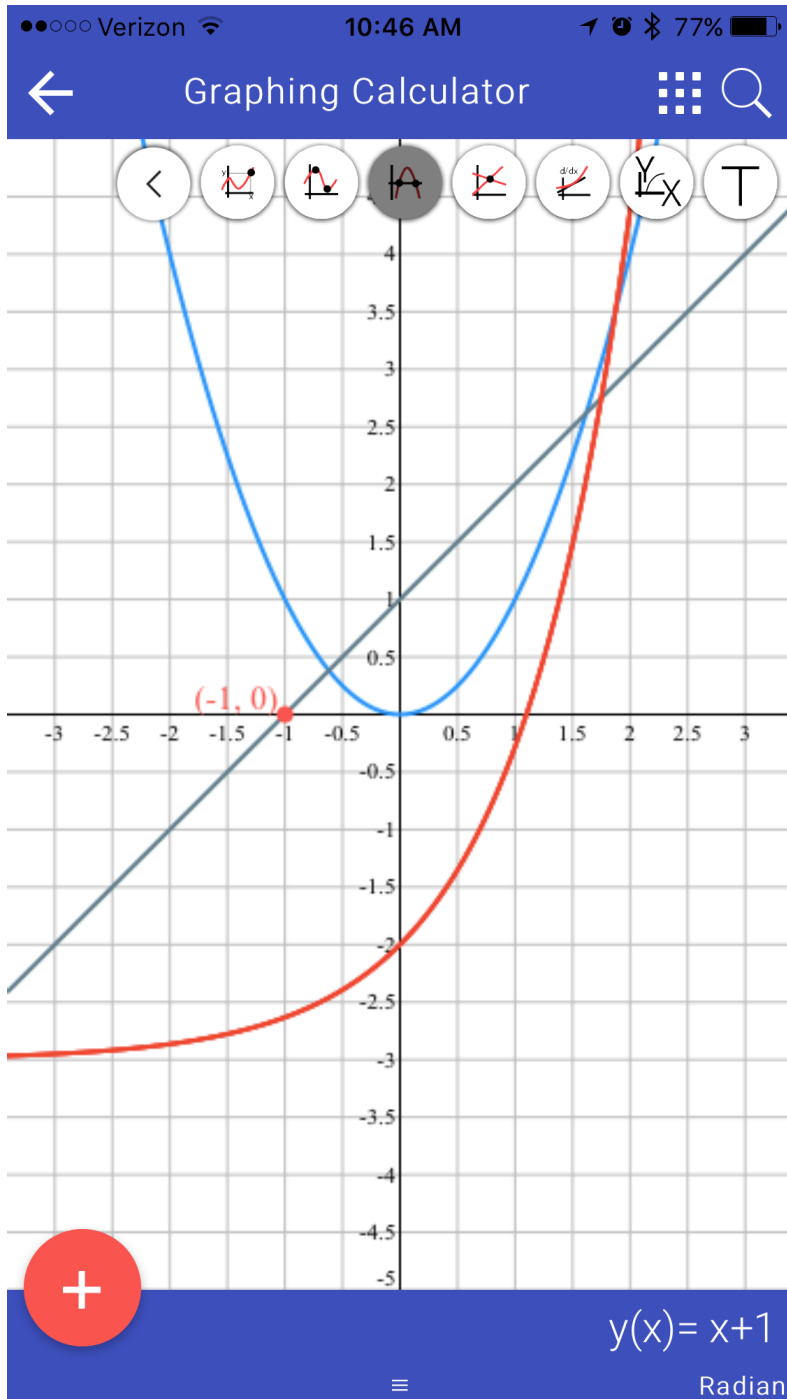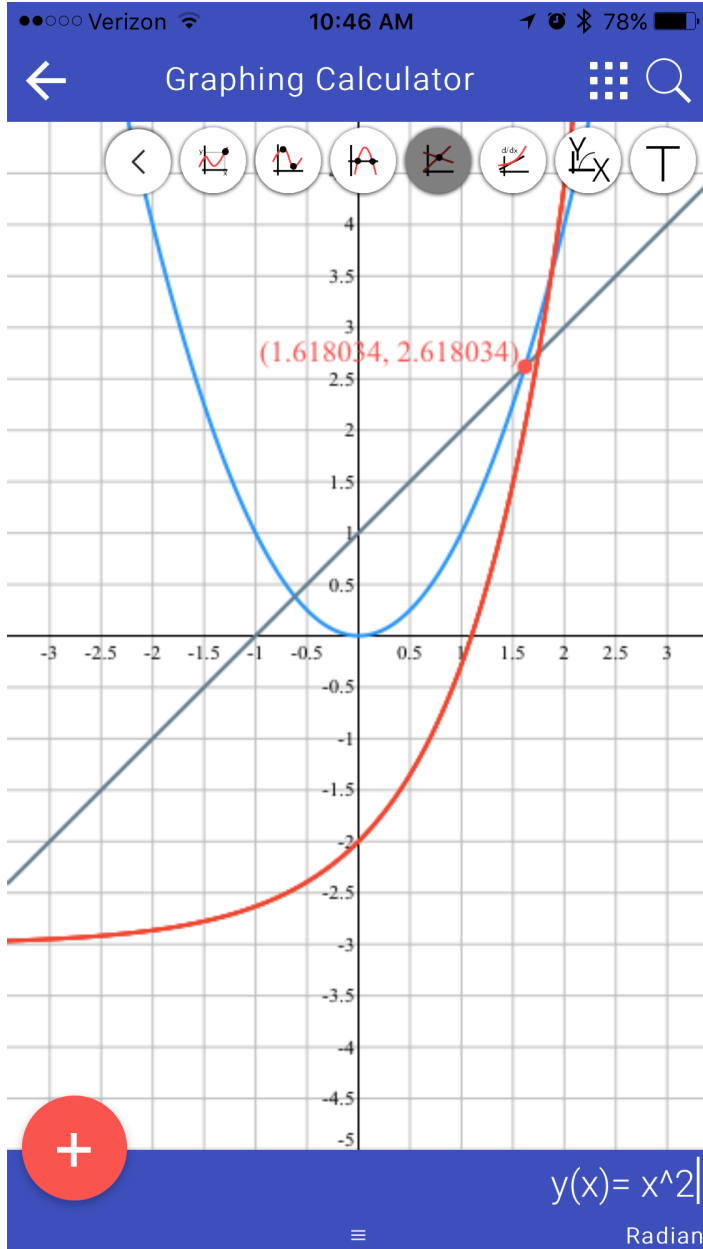
Maximum/Minimum Feature

Here the equation, x^2 is selected to find the maximum/minimum. Tap where you think the max/min are located.
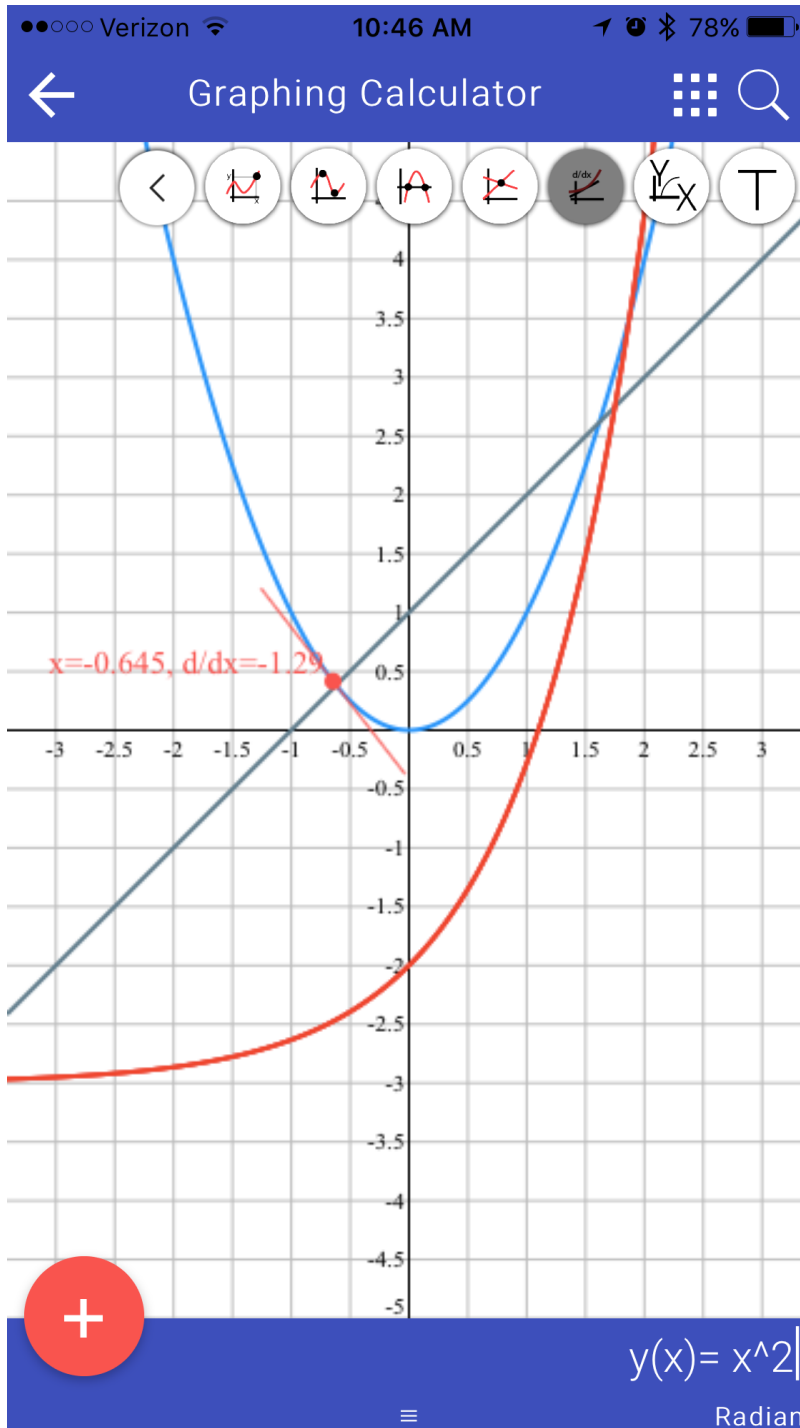
Root/Zero Feature

←   Graphing Calculator   ⠿ 🔍

(-1, 0)

y(x)= x+1

Radian

Here the equation, x+1 is selected to find the root/zero of the equation.

Intersection Feature

Here the equation, x^2 is selected to find the intersections. Tap where you think the intersections are located. This is showing the intersection between x^2 and x+1
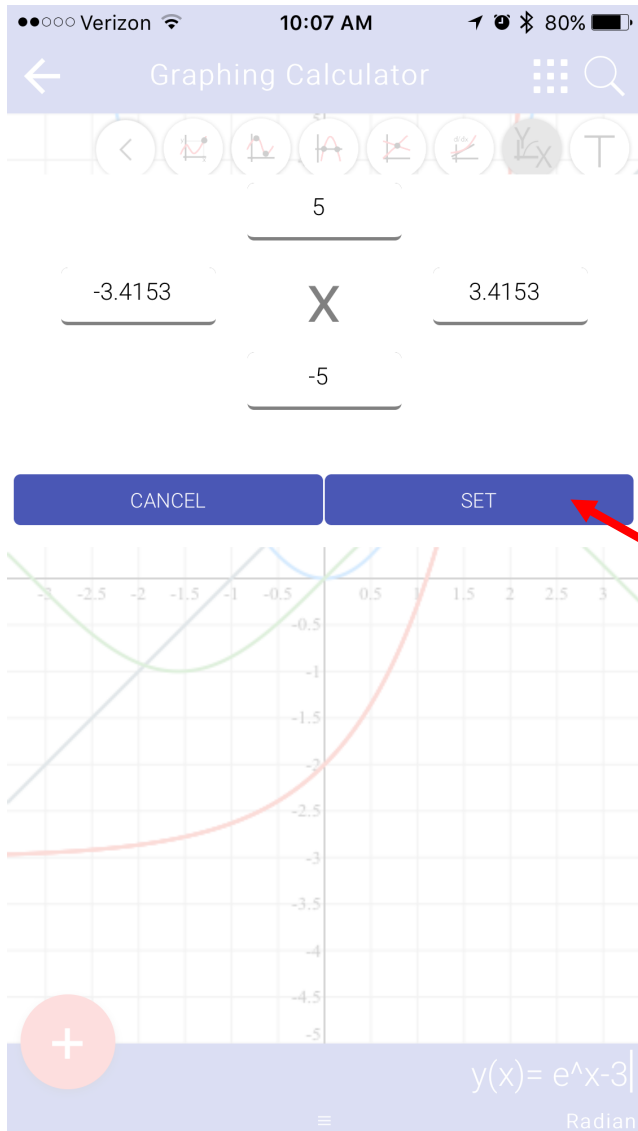
Derivative Feature

You can also find the derivative with the tangent line shown for the designated equation.
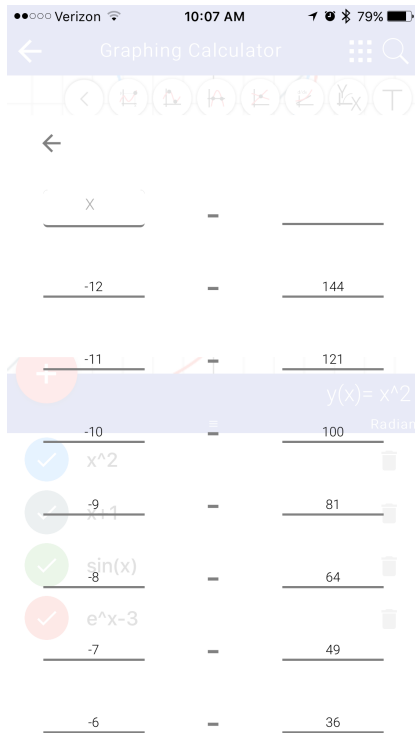
Set Window Feature

Set the window manually by entering in the minimum and maximum values for the X and Y axis

Tap the value you would like to change and the keypad will appear for you to enter in the values. Once done, select "SET"

Table Feature

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← Graphing Calculator ⚏ 🔍

←

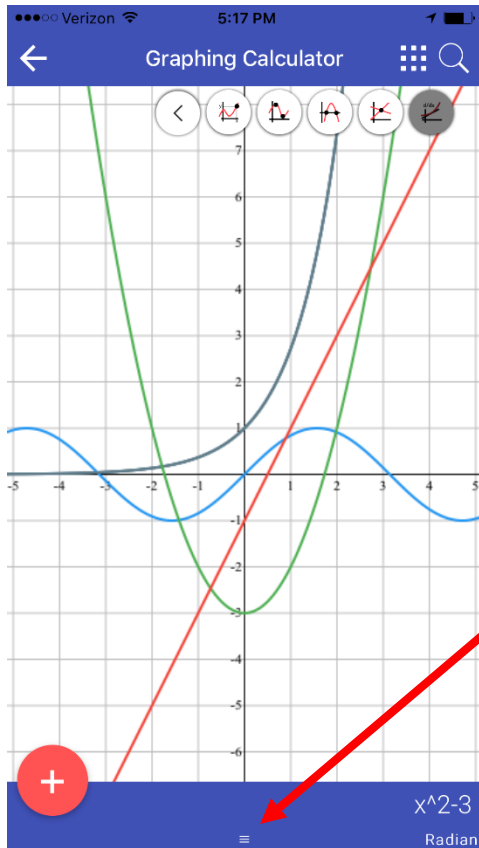| X	−	
-12	−	144
-11	−	121
-10	−	100
-9	−	81
-8	−	64
-7	−	49
-6	−	36

y(x)= x^2
Radian

x^2
x+1
sin(x)
e^x-3

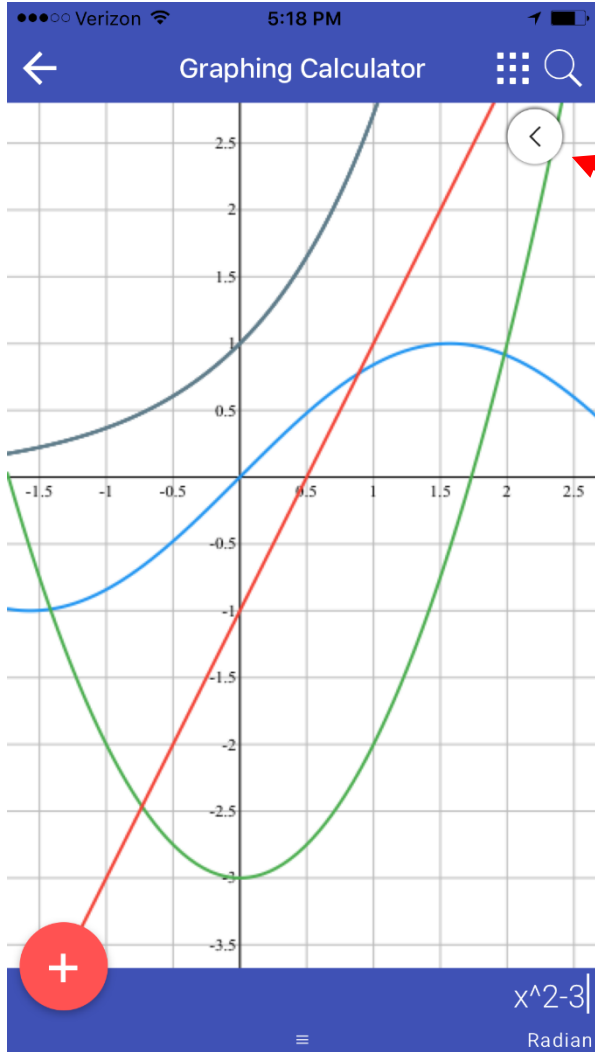Select the Table from the menu to find the corresponding values of X and Y for the chosen equation.
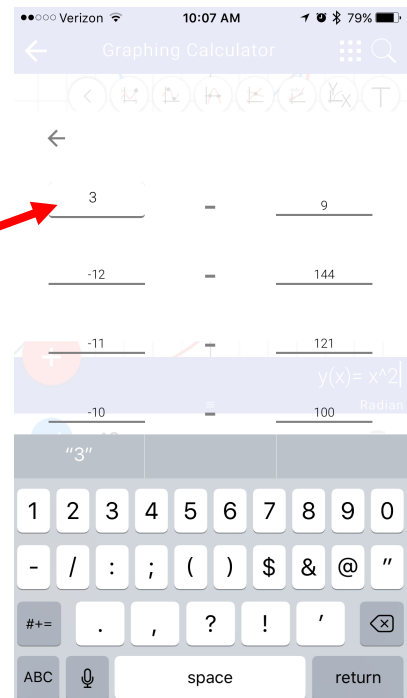
To find specific values of X and Y, tap the "X" in the upper left corner and the keypad will appear for you to type in the value of your choosing.

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← Graphing Calculator ⚏ 🔍

←

3	−	9
-12	−	144
-11	−	121
-10	−	100

y(x)= x^2
Radian

"3"

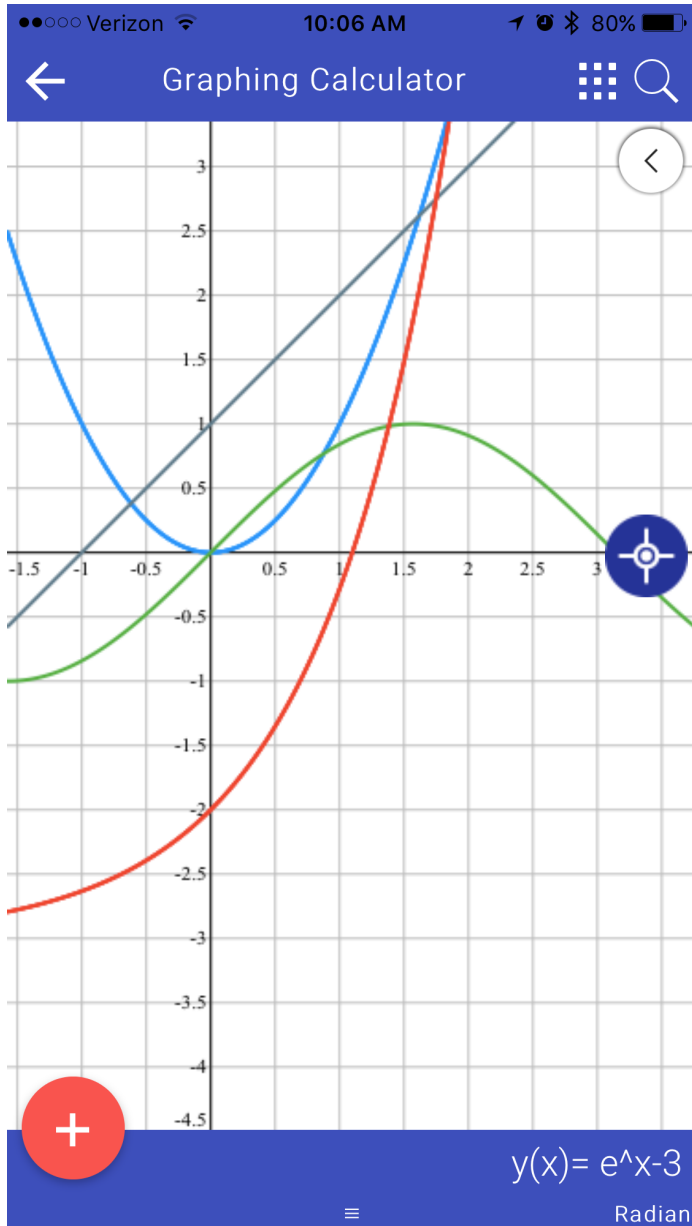| 1	2	3	4	5	6	7	8	9	0
-	/	:	;	(	)	$	&	@	"
#+=	.	,	?	!	'	⌫			

ABC 🎤 space return

Zoom Feature

Simply slide down on the list of equations to see the full graph.

Please note – you will need to close out the additional graphing features bar by clicking on the triangle at the top again before being able to zoom in and out and move around the graph.

Close out of additional features by clicking on the triangle again. This will allow you to zoom in on the graph and move around the window.

Zoom in and out by pitching and stretching the screen!

To reset the window to the original setting, simply click this symbol to reset it

For additional help or any questions, please contact us at:
info@graphlock.com

Thank you,

Team GraphLock
Mallory, Josh, and VJ