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GraphLock

How to Guide for Students

Hello and thank you from Team GraphLock! In this guide, you will find step-by-step instructions on how to use the different features in GraphLock. As always, do not hesitate to contact us with any questions or comments at: info@graphlock.com. You can also find more information at: www.graphlock.com or click [HERE](#) for our YouTube tutorial videos so you can see how GraphLock works!

Team GraphLock
Mallory, Josh, and VJ



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Table of Contents

I.	Getting Started – How to Set Up Your Teacher Account	4
II.	How to Edit Your Profile	7
III.	How to Join a New class	10
IV.	Class Symbols	12
V.	GraphLock Menu	13
	A. FAQs	14
	B. Settings	15
VI.	How to Upgrade – Premium Student Features	16
VII.	How a Lockdown Session works	17
VIII.	Joining a Session as a Student	21
	A. iOS	21
	B. Android	27
IX.	Calculator Features	29
X.	Graphing Calculator	34
XI.	How to Use a Promo Code – iOS and Android	50
XII.	Just Lock Me Mode	54
XIII.	Chat Feature	56
XIV.	WebApp	62
XV.	Additional Tutorials and Videos	63
XVI.	Help and Support	64

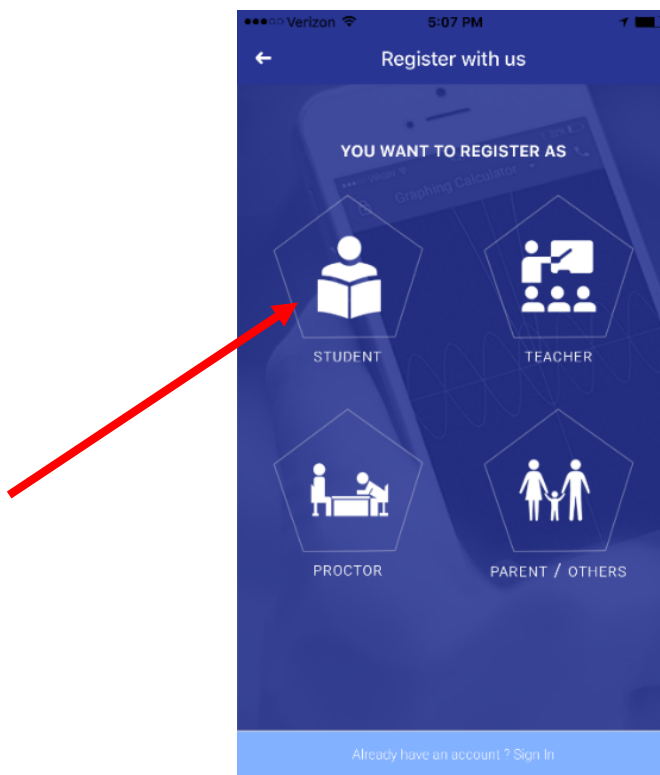
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I. Getting Started – How to Set Up Your Student Account

[Click HERE for a video walking you through the steps to getting started and setting up your GraphLock account](#)

1. Click [HERE for iOS](#) to download from the App Store on your iPhone or iPad or [HERE for Android](#) to download from the Google Play Store.
2. You can also go to: www.graphlockapp.com and create a user account directly from your computer.
3. Once you download the app and open it, you will first receive a pop up asking to **allow notifications**. Please select **“YES”** as this is how session codes will be pushed to you as well as chat notifications.
4. To create a new account, click **“Sign Up”** on the login screen and then you will see four different account options: Teacher, Student, Parent, Proctor. Select the **Student option**.

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5. Fill in the required information for your student profile and click “Register Now”



Register as a Student

Email

Re-Enter email id

Grade (optional)

School (optional)

Password

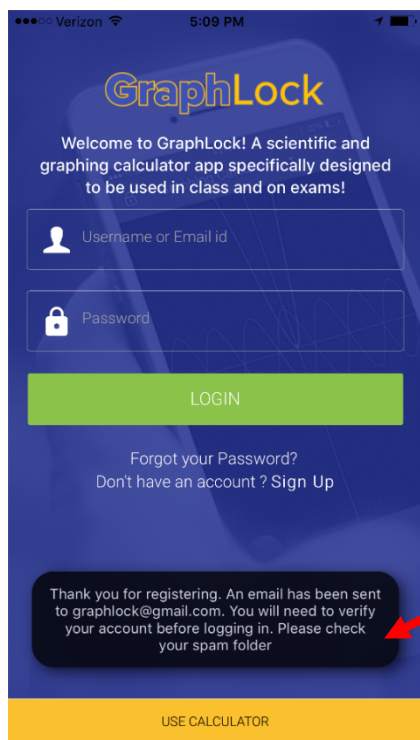
Re-Enter Password

To proceed, please agree to our Terms and Conditions

REGISTER NOW

Already have an account? Sign in

6. Check your **email account** that you associated with your GraphLock profile to verify your account. *Please be sure to check your **SPAM** folder if you do not see an email from no-reply@graphlock.com in your inbox



GraphLock

Welcome to GraphLock! A scientific and graphing calculator app specifically designed to be used in class and on exams!

Username or Email id

Password

LOGIN

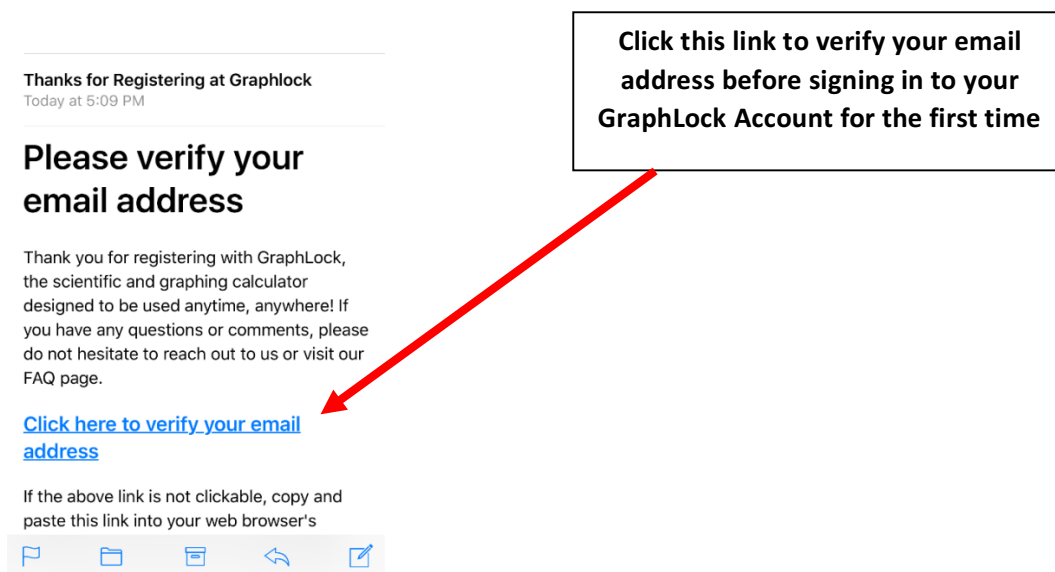
Forgot your Password?
Don't have an account? Sign Up

Thank you for registering. An email has been sent to graphlock@gmail.com. You will need to verify your account before logging in. Please check your spam folder

USE CALCULATOR

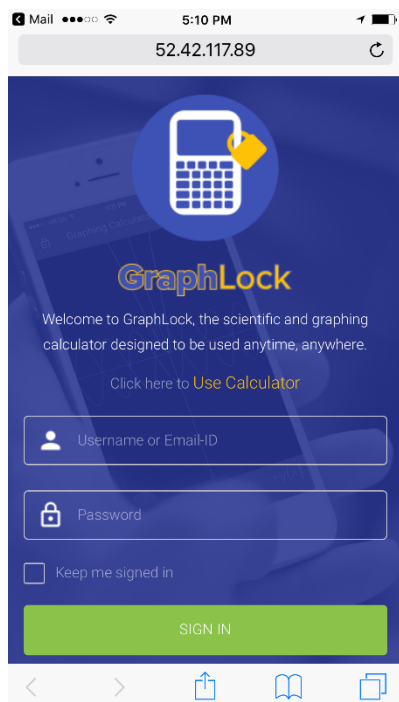
Please note that you **MUST** go to your **email** and verify your account **BEFORE** you can sign in for the first time!

7. Click “verify my account” and the link will take you to the webapp version online (it will take you to this version whether you are on your phone, tablet, or computer.)



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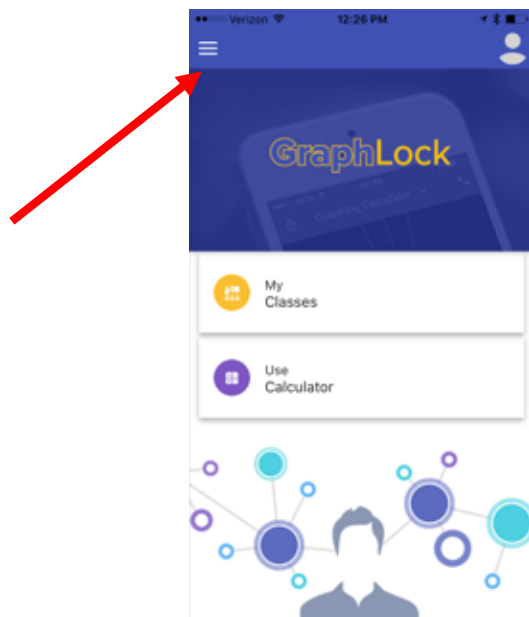
8. Once you have verified your account, close out of the webapp and open the GraphLock app to login. ****if you are on a phone/tablet, we recommend opening the GraphLock app now opposed to using the web version***



Once you click the link to verify your account, you will be directed to the web version of GraphLock. If you are on a phone/tablet, **we recommend closing the webapp and opening the app version.**

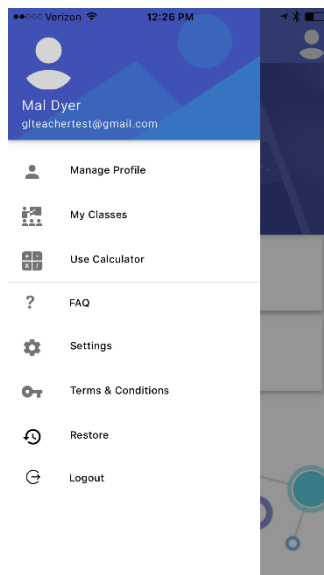
II. How to Edit Your Profile

1. After verifying your email address, you can then sign into GraphLock.
2. Click on the bars in the upper left corner to take you to the **GraphLock Menu**

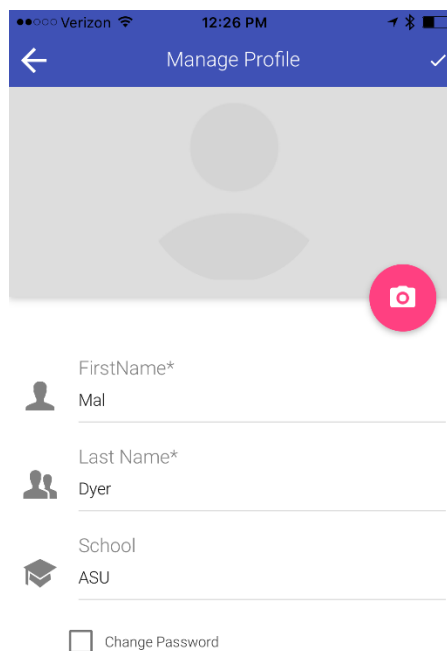


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3. The GraphLock Menu will drop down with various options. Click “Manage Profile”

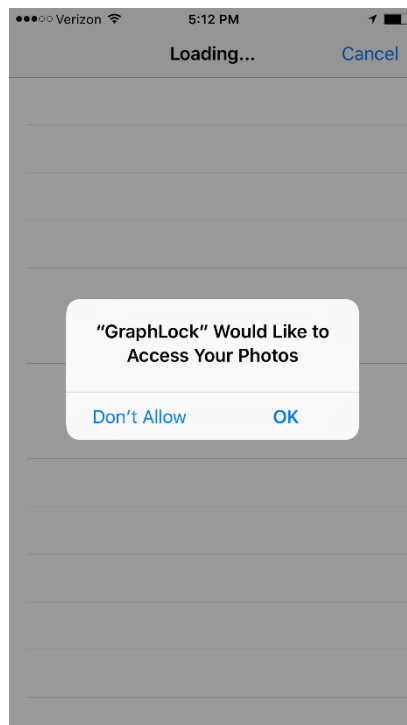


4. You will now be able to edit your profile, add a profile picture, and **change your password** if needed.

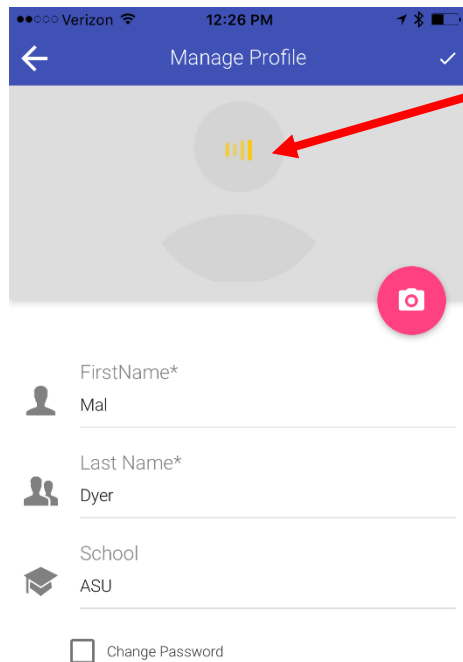


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5. To add a picture, click on the pink camera logo and then select "OK" if you see this pop up

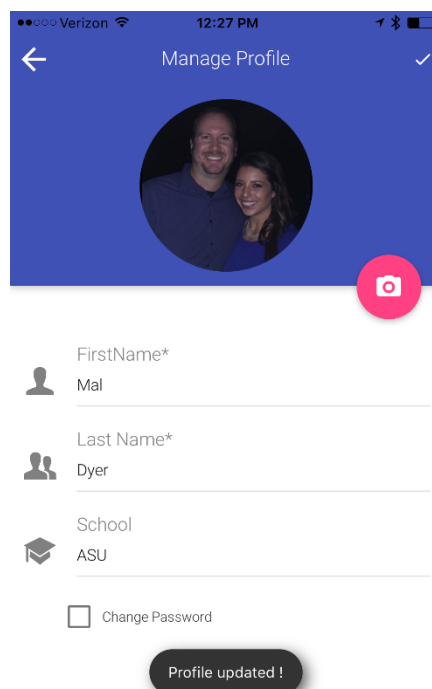


6. Select the picture you would like to use as your profile, and then you will see yellow bars signifying the picture is uploading.



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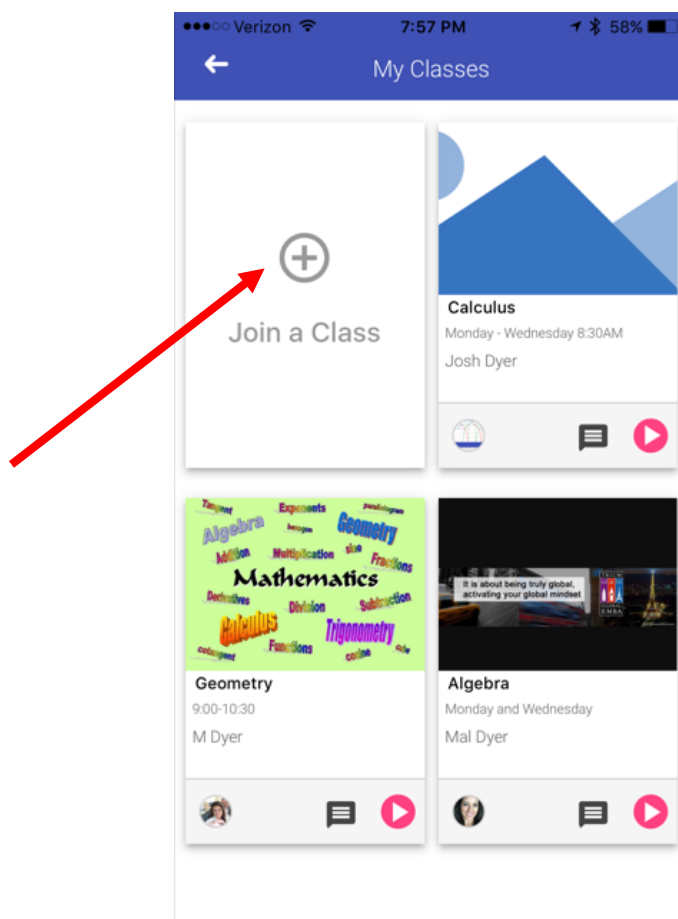
7. Once your picture loads, click on the check mark in the upper right corner to save your edits. ****If the yellow bars go away and your picture has still not loaded, click the check mark to save and exit out. Your picture will then show up in your profile****



III. How to Join a New Class

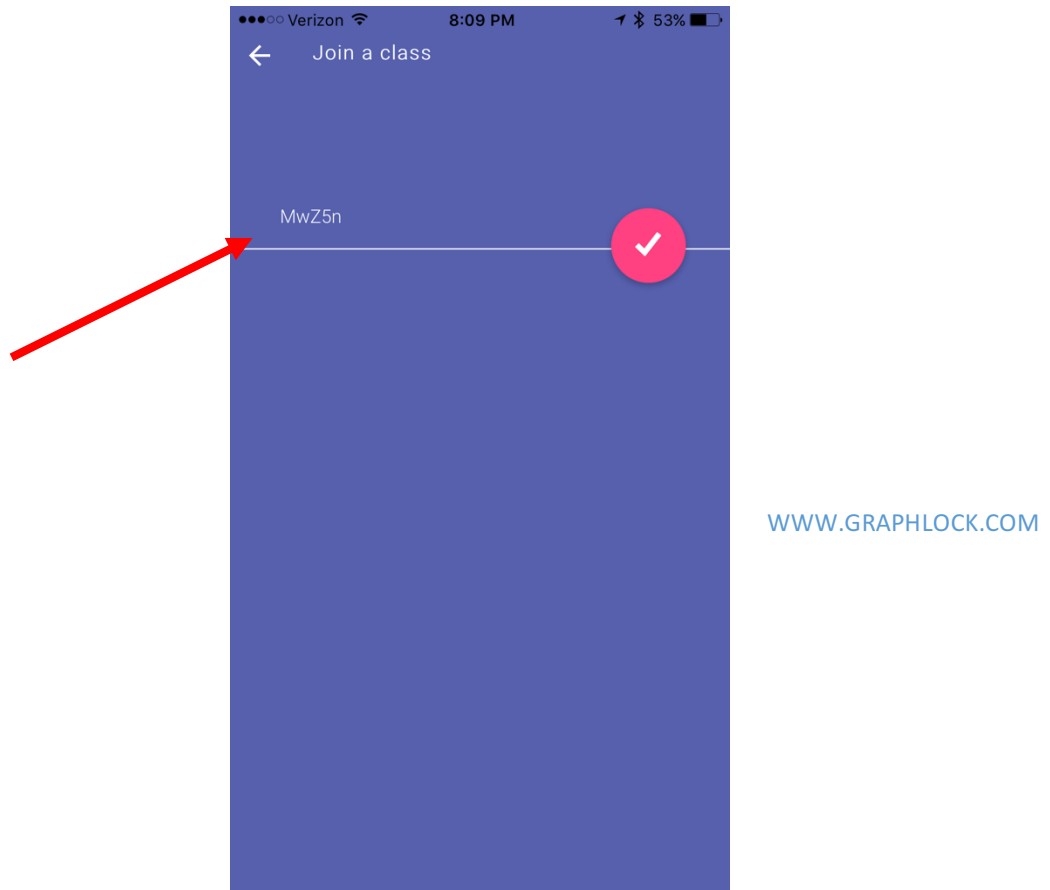
[Click HERE to watch a demo video on joining a class](#)

1. To join a new class, click on “My Classes” on your home screen.
2. Now click “Join a Class”



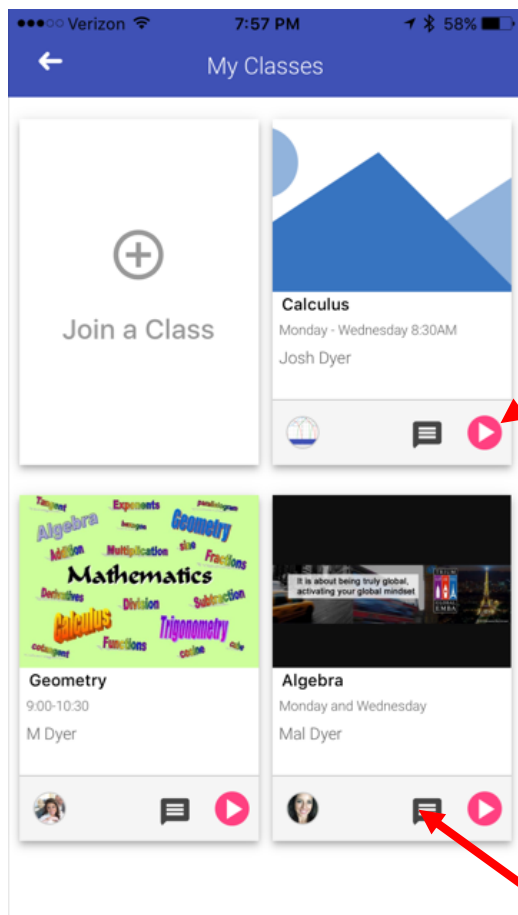
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3. You will then need to get the unique **CLASS CODE** from your teacher to join the class. Enter the code and click the check mark. Please note the code is alphanumeric and case sensitive.



4. Once you join a new class, it will appear in your “My Classes” page. Please note, as a student you cannot delete yourself from a class once you join. Either your teacher can delete you or delete the entire class after it ends.

IV. What do all these symbols below my class mean?

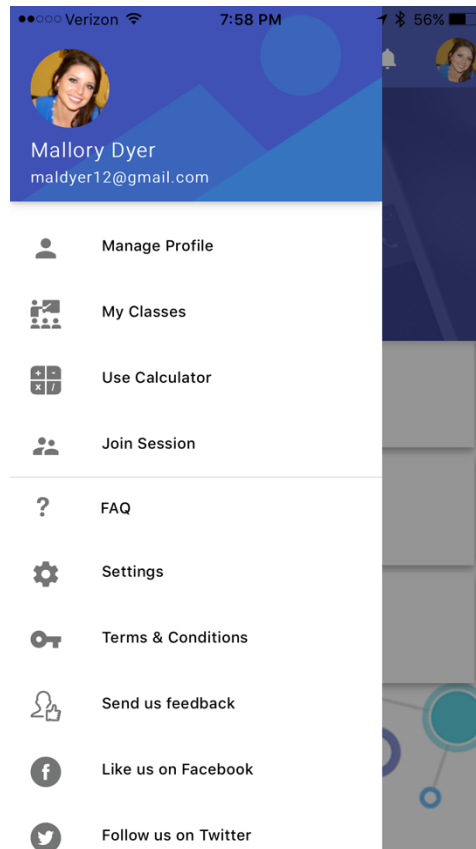


Join a Lockdown Session for this class

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Chat with the class or individual student

V. GraphLock Menu

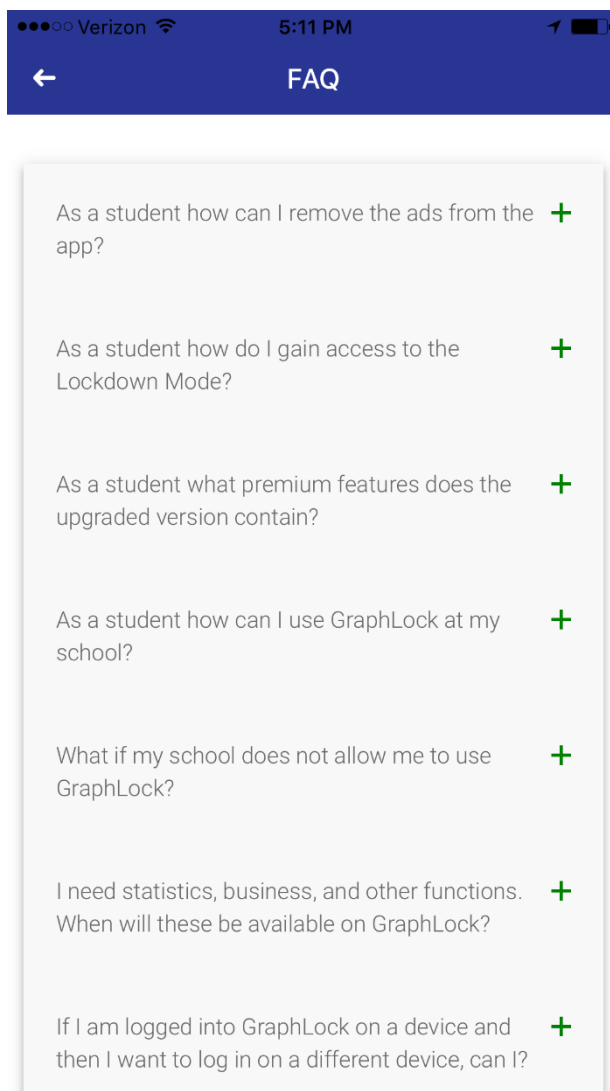


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1. **Manage profile:** Edit your profile
2. **My Classes:** takes you to your current class list
3. **Use Calculator:** takes you to the calculator
4. **Join Session:** Join a Lockdown Session
5. **FAQ:** Frequently Asked Questions
6. **Settings:** change your settings for GraphLock
7. **Terms & Conditions:** our terms & conditions
8. **Send us feedback:** send us a message directly from the app
9. **Like us on Facebook**
10. **Follow us on Twitter**
11. **Restore:** restore your purchases and upgrades in your account
12. **Logout:** logout of your account to where you must re-log in

FAQ – Frequently Asked Questions

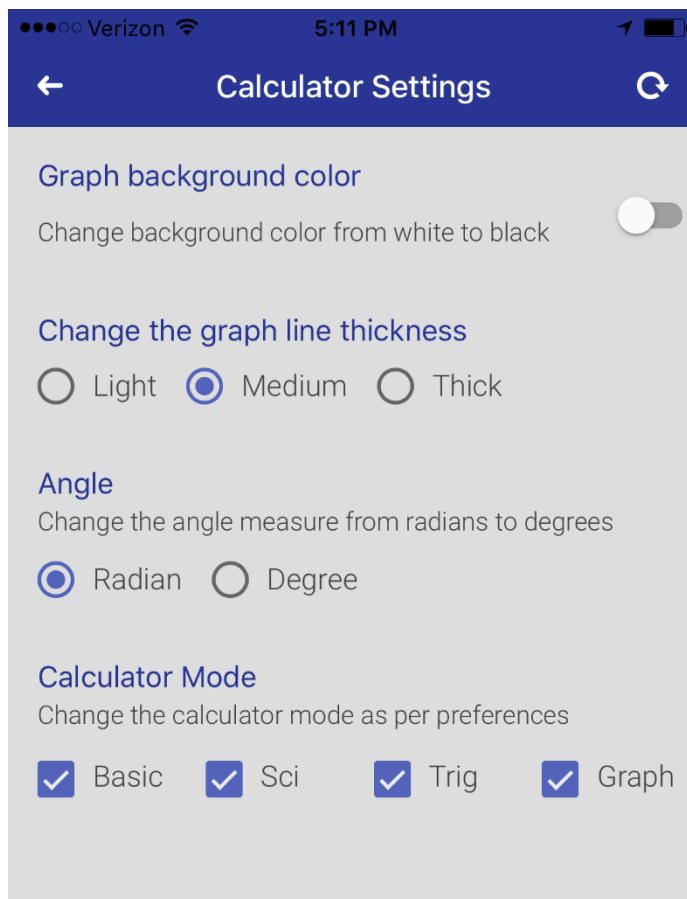
In the GraphLock Menu, you will find a list of FAQs for all profile types – students, teachers, parents, and proctors and you can search using the magnifying glass symbol in the upper right corner. We also have demo videos on YouTube to help answer these questions. If you have any other questions, please contact us at: info@graphlock.com



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GraphLock Settings

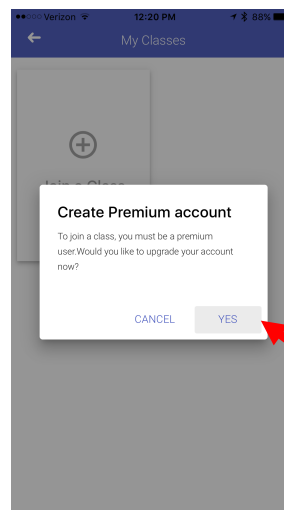
In the GraphLock Menu, there is a place you can change the settings of the calculator. This includes: changing the background color of the graph, changing the line thickness, changing the angle from radians to degrees, and customizing the calculator to include the needed modes.



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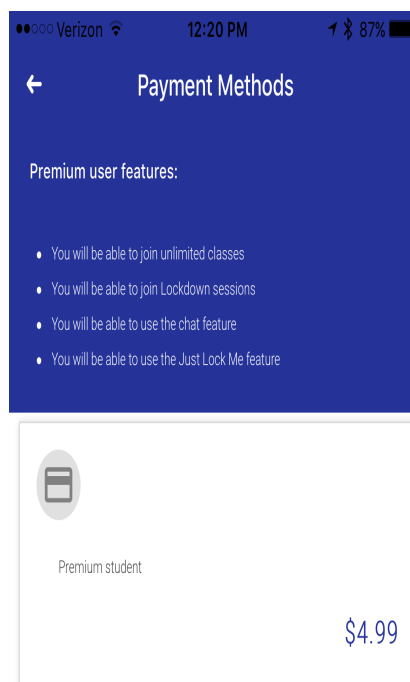
VI. How to Upgrade Your Student Account

1. The FREE GraphLock student version gives you access to the full calculator
2. The premium student version gives you access to joining an unlimited number of classes, the lockdown mode, just lock me mode, and the chat features.
3. To upgrade, you will click “My Classes” and will receive a pop up asking you to upgrade



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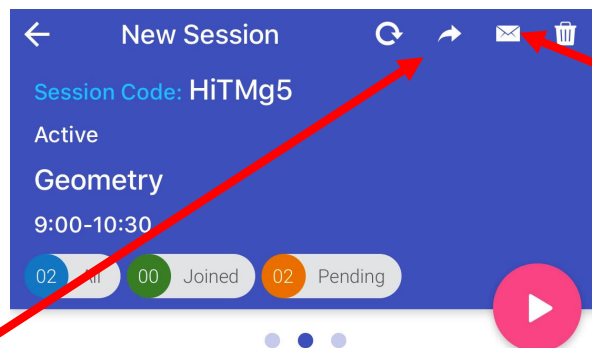
4. You can then directly upgrade to the premium version through the respective app store
**If you have a promo code, please go to page 50.*



VII. How Lockdown Works

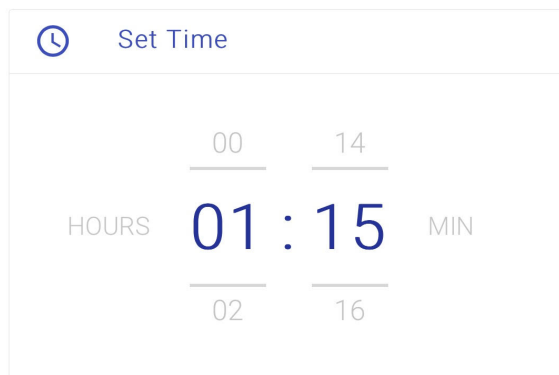
1. Your teacher can share the Lockdown code with you in a couple different ways. He/she can email it to you to copy and paste into your app, he/she can also send you the code in a push notification to where it is automatically put into your device to join the Lockdown session.

Click the arrow to send the Lockdown Code in a push notification to your students. The code will then automatically be entered into your student's device.



Click the envelope symbol to email the Lockdown Code to your students to then copy and paste into their app.

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- You will click “Join Session” and then enter in the **SESSION CODE** provided to you by your teacher. Once you join, your profile will turn green and you will have a green stripe across the top of your device.

The screenshot shows a mobile application interface for a 'New Session'. At the top, there is a blue header with a back arrow, the text 'New Session', and icons for refresh, share, email, and delete. Below the header, the 'Session Code: HiTMg5' is displayed in blue. The status is 'Active' and the subject is 'Geometry'. The time is '9:00-10:30'. A progress bar at the bottom of the header shows '02 All', '00 Joined', and '02 Pending'. A large red play button is on the right. Below the header is a 'Participants' list with two entries: 'Mallory Dyer' (9th, Marana, maldyer12@gmail.com) and 'Josh Dyer' (12, ASU, jdyer1212@gmail.com). A blue button at the bottom says 'ADD STUDENT'.

Session Code: HiTMg5


Active


Geometry

9:00-10:30

02 All 00 Joined 02 Pending

Participants

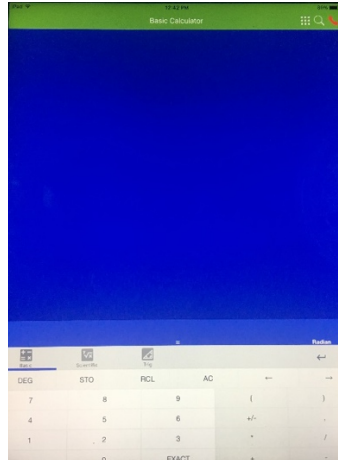
 **Mallory Dyer**
9th , Marana
maldyer12@gmail.com

 **Josh Dyer**
12 , ASU
jdyer1212@gmail.com

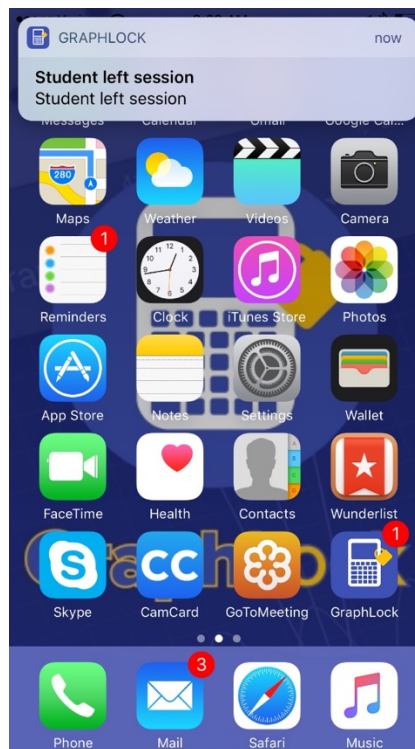
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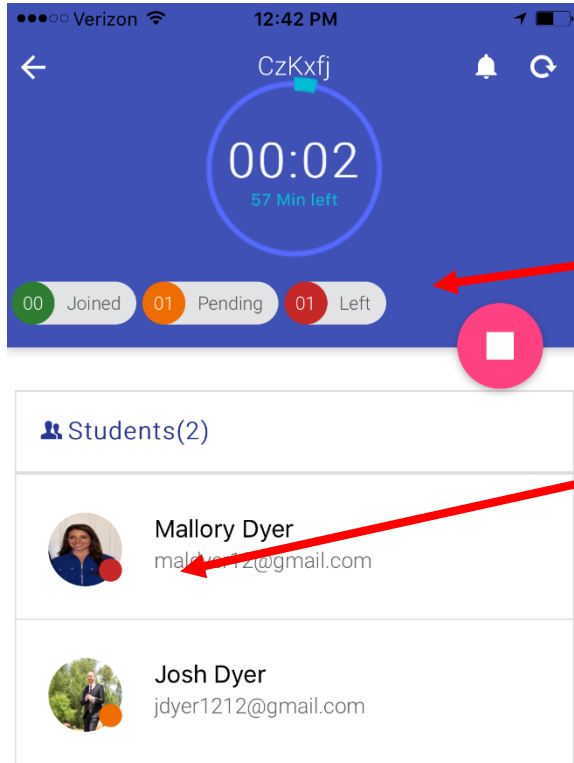
ADD STUDENT

3. Your device will have a green stripe and you will also see a red phone symbol in the upper right corner for emergency calls.



4. If you make an emergency call (by hitting the red phone on the upper right hand corner of their screen) or you try to force out of lockdown, your teacher will be notified in a couple of different ways:
- It will make a noise to alert you
 - If you have the classroom monitoring platform open, the bell in the upper corner will continuously shake
 - If you do not have the app open, you will receive a popup notification on your device
 - The student that has tried to force out of lockdown (or make an emergency call) will now have a red circle by their profile picture





The bell will move, there will be a noise, the red ticker will show a student has left, and the circle by the student will turn red – so you know exactly which student it was!

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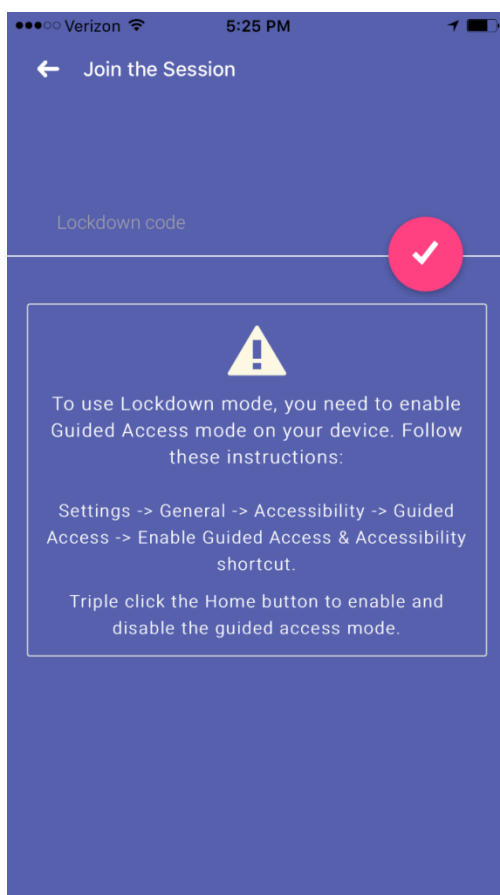
*Please note while in Lockdown, your teacher cannot control your phone, nor can he/she see anything on your device.

VIII. How to Join a Lockdown Session

1. To join a Lockdown session, not only will you need to enter in the unique session code, you will also have to enable either Guided Access for iOS or Pin App for Android. The good thing with Guided Access is you will only need to go through these steps ONCE and then you will be able to use the shortcut (triple click the home button) every time thereafter. For Pin App Mode, it is a simple “yes” to use.

How to Join a Session – iOS Guided Access Mode

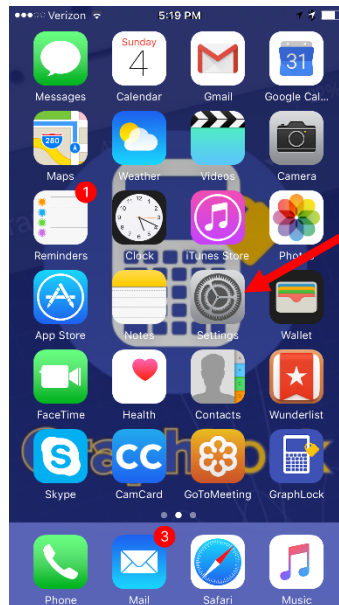
[Click HERE for a video on setting up Guided Access](#)



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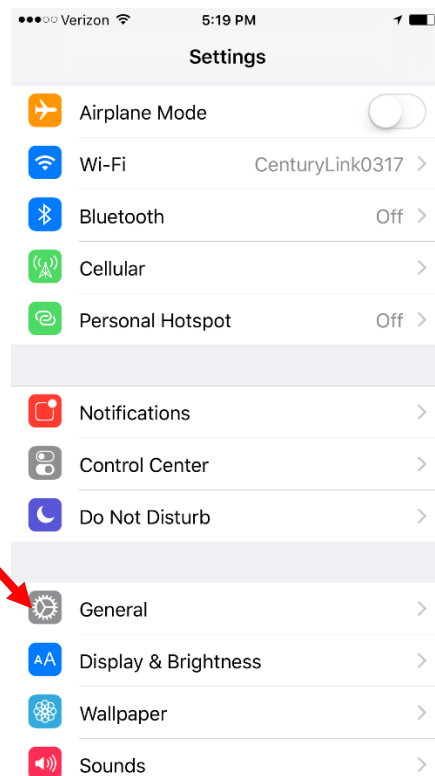
**Steps to enable iOS Guided Access Mode.
The student only must do this ONCE and
will then be able to use a shortcut!**

1. The student will first go to “**Settings**” on their home screen

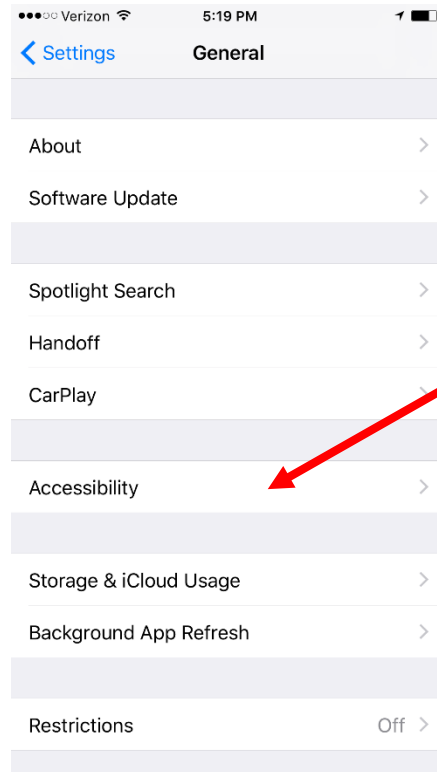


2. Then go to “**General**”

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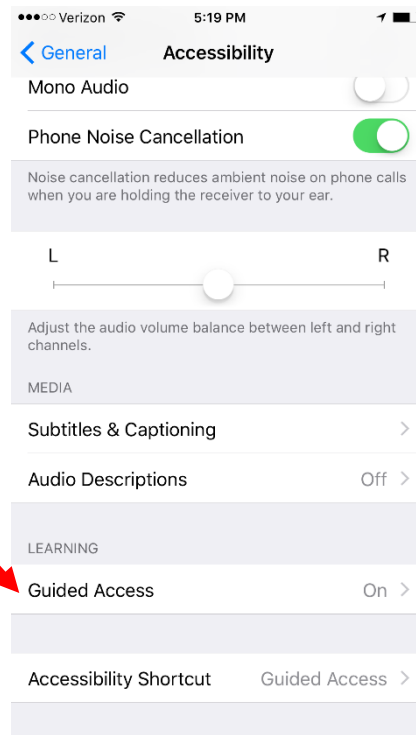


3. Then scroll down to **“Accessibility”**

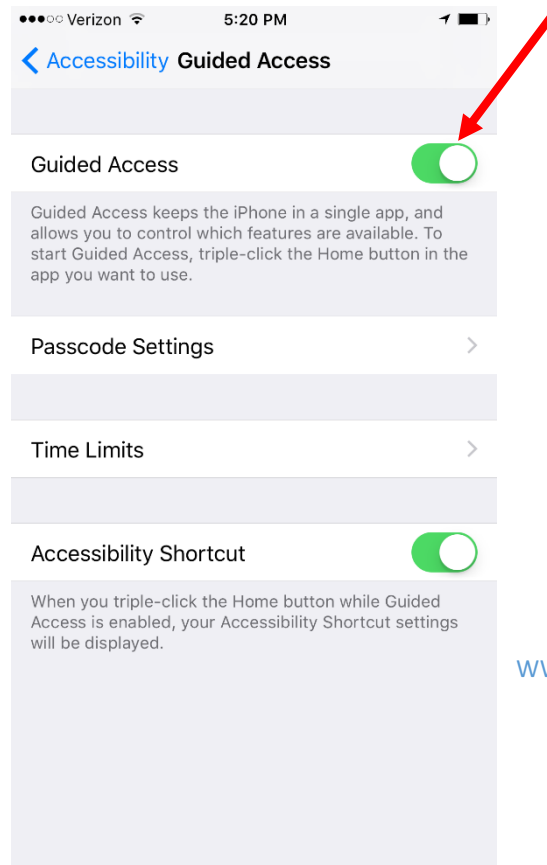


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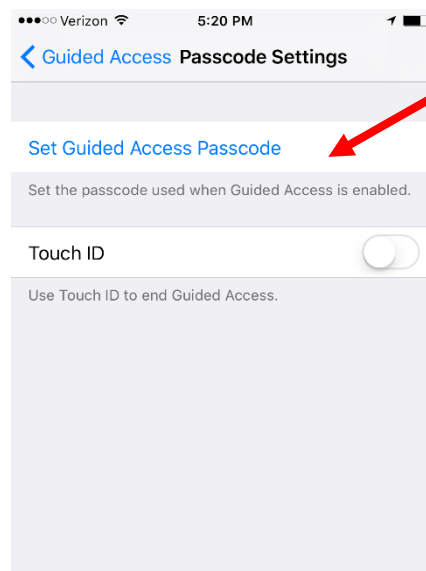
4. Then scroll all the way down to **“Guided Access”**



5. Then swipe to the right by “Guided Access” to turn it ON



6. The student will then go to “**Passcode Settings**” to set a 4-digit code for Guided Access Mode.

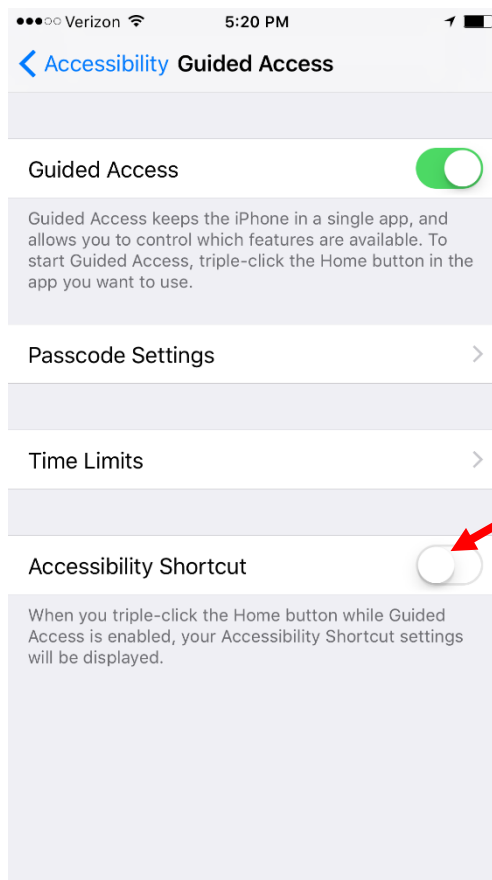




4-digit passcode set by the student for Guided Access on his/her phone. On school devices, this can be set by Teacher/IT

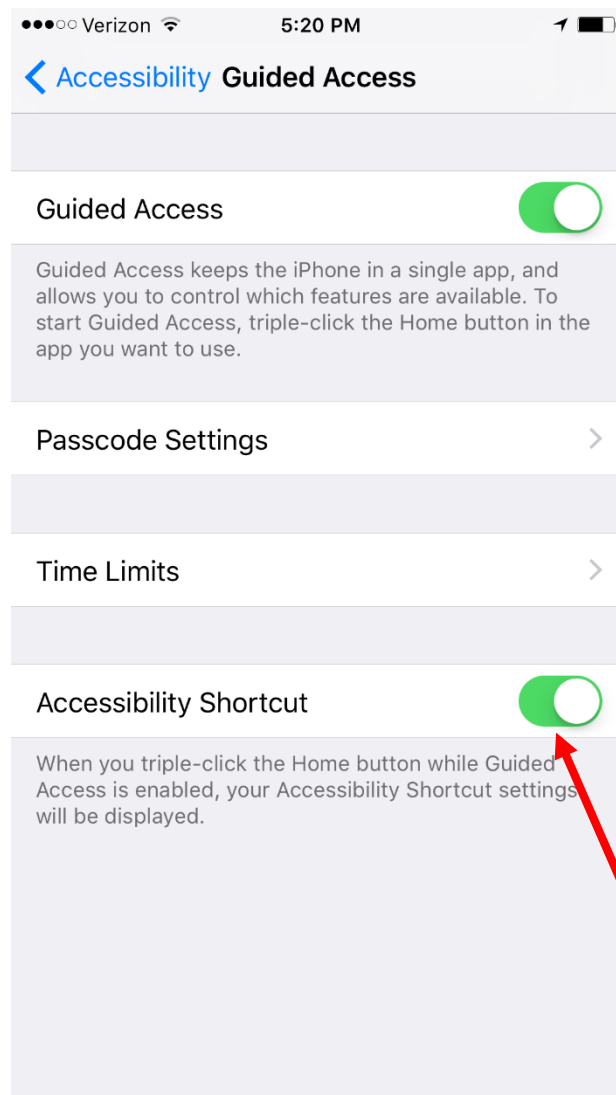
7. **This is the most important part!** After setting the passcode, the student will be taken back to the Guided Access Mode screen. This is where the student can set the shortcut (triple click the home button) so they never have to do these steps again!

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Turn Accessibility Shortcut on so the student will not have to go through these steps again!

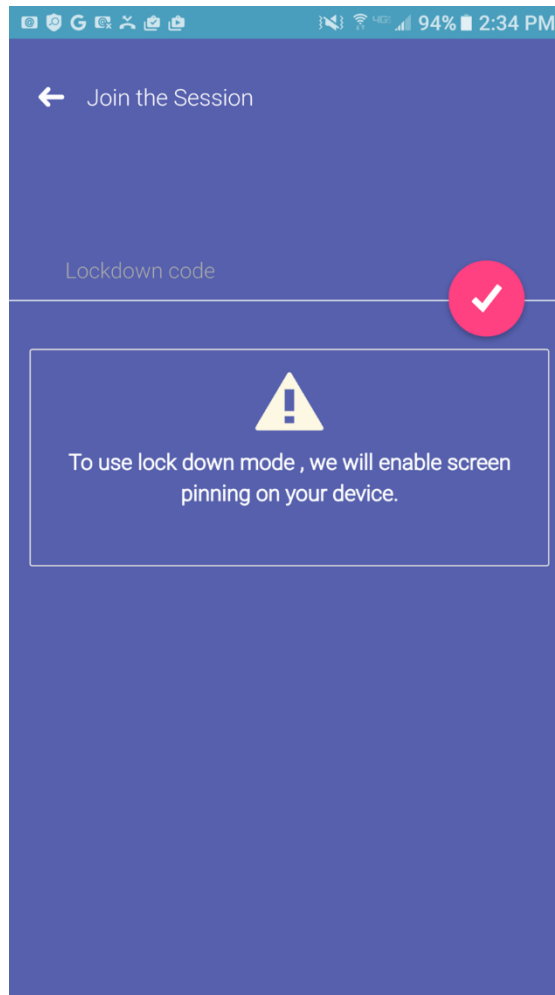
8. The student will not be able to simply triple click the home button to enable Guided Access Mode and join lockdown sessions!



[Click HERE for a video on how a student can join a Lockdown Session on an iPhone or iPad](#)

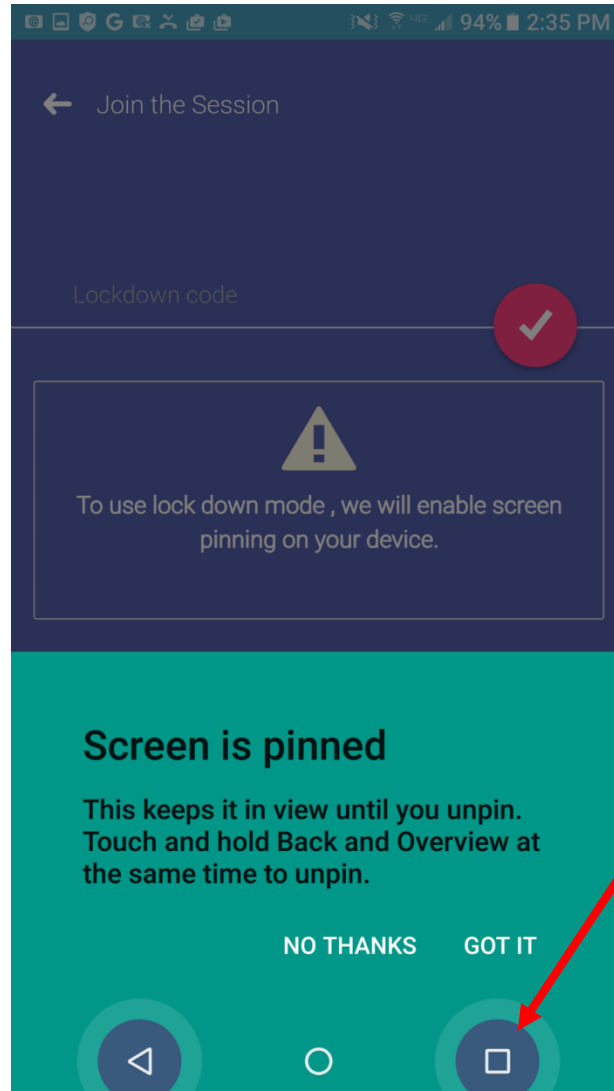
How to Join a Session – Android Pin App Mode

1. For Android, you will not have to set anything up on their device. You will simply go to “Join Session” and enter in the unique session code.



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2. After entering in the unique session code, you will then be prompted to select “GOT IT” to allow Pin App Mode during the Lockdown Session.

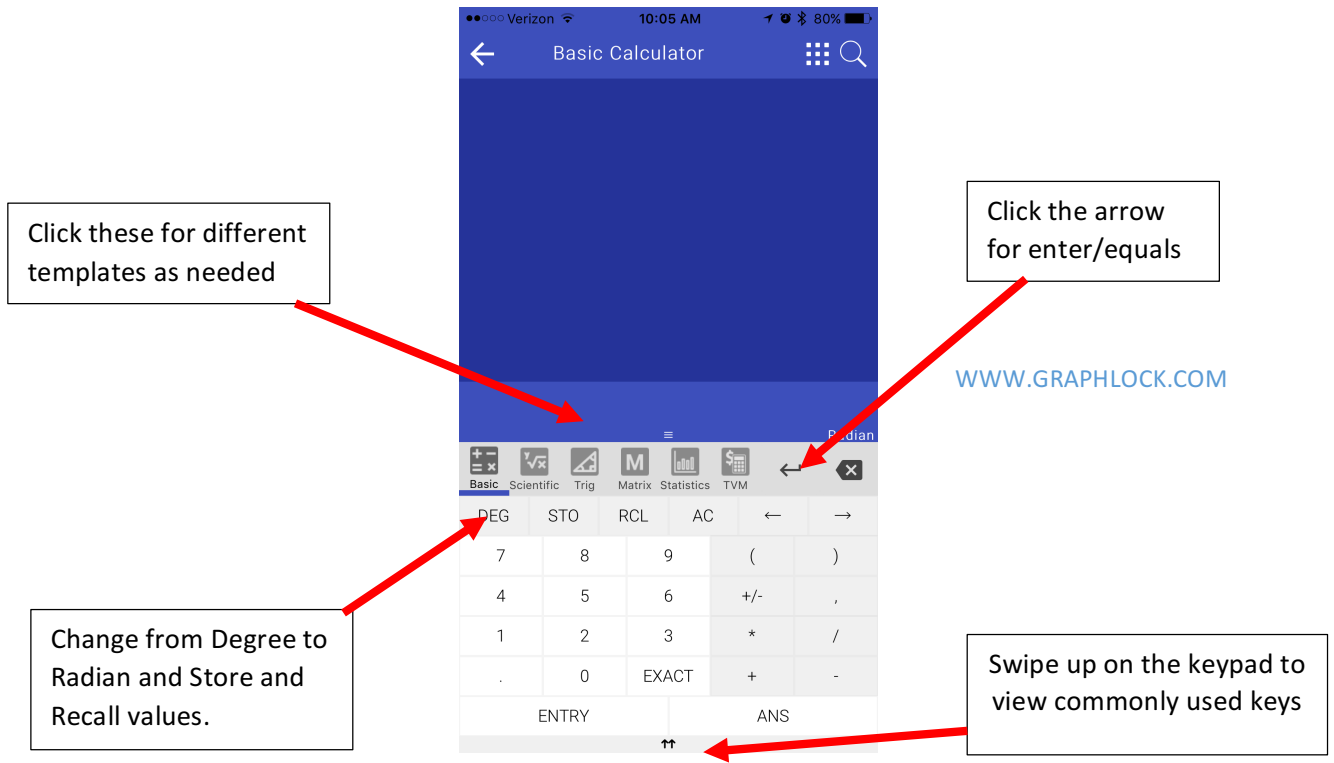


If you select “NO THANKS” it will not allow you to join the Lockdown Session. Therefore, you must select “GOT IT” and enable this mode before joining the session.

Also, if you try to force out of Pin App Mode, it will alert your teacher on his/her device!

IX. Calculator Features

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



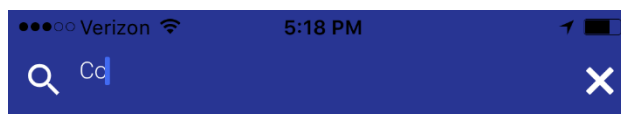
The calculator can be used in landscape mode as well, just turn your device to the side and view two calculators at once!

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



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

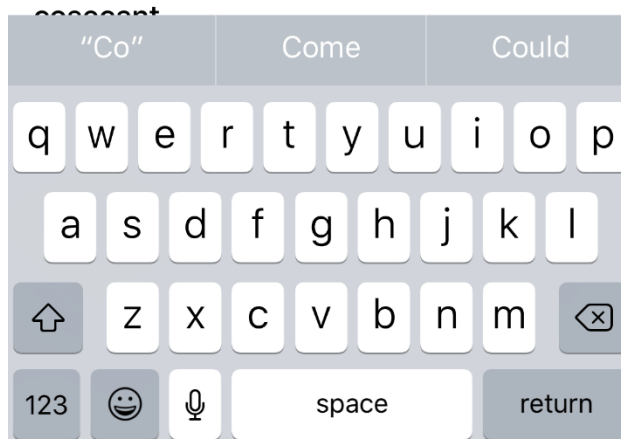
eg: $\cos(0) = 1$

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arccos

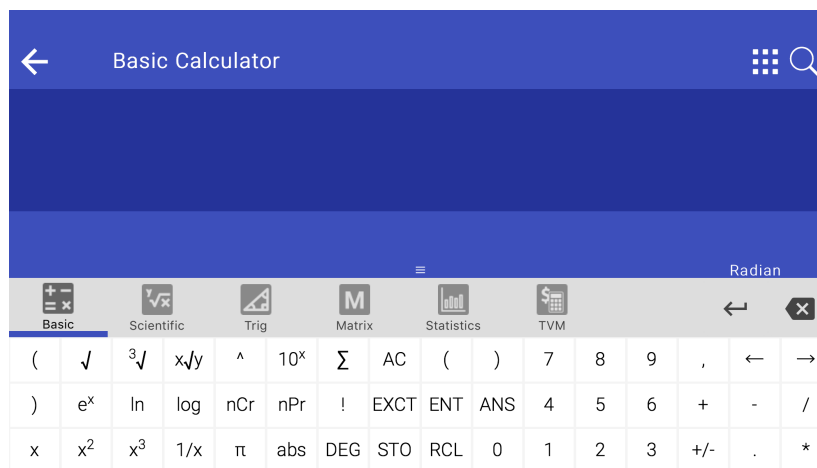
Calculate the inverse cosine of a value

eg: $\text{acos}(0.5) = 1.0471975511965979$



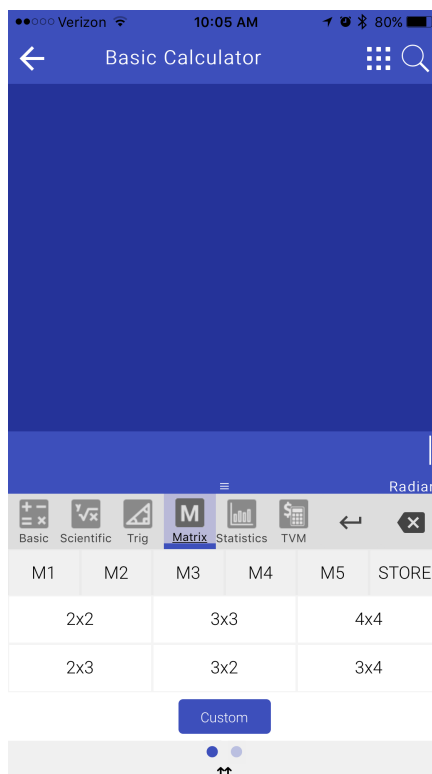
Other Calculator Features – Landscape Mode, Matrix, Statistics, and TVM

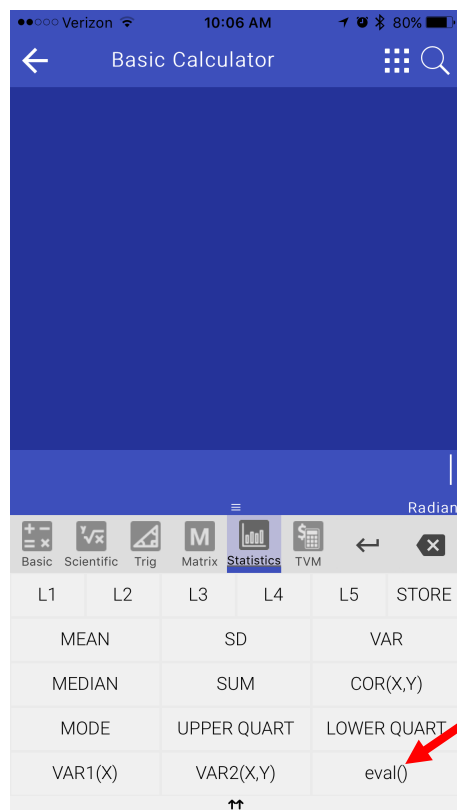
Turn your device to the side to view the calculator in landscape mode



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[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

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Enter in the known values into the boxes on the screen and leave the one you are trying to find blank

Basic Calculator

PV r

FV n

PMT t

Basic Scientific Trig Matrix Statistics TVM

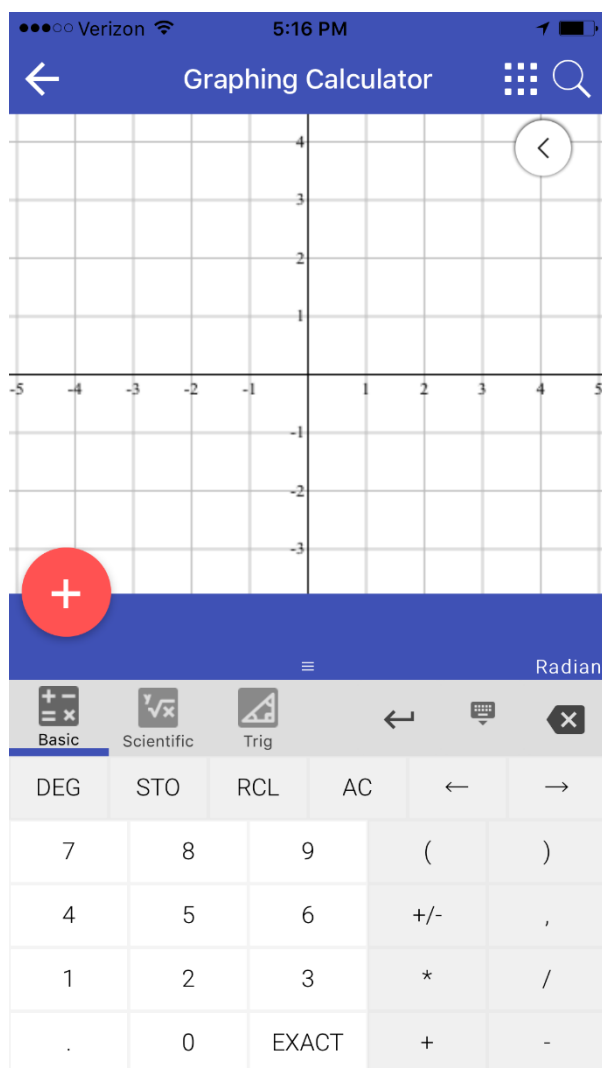
STO	RCL	ANS	AC	←	→
PV	r	7	8	9	
FV	n	4	5	6	
PMT	t	1	2	3	
EFF	+	-	0	.	

↑↑

To find the missing value, leave the box blank above and then click on the one you are trying to find

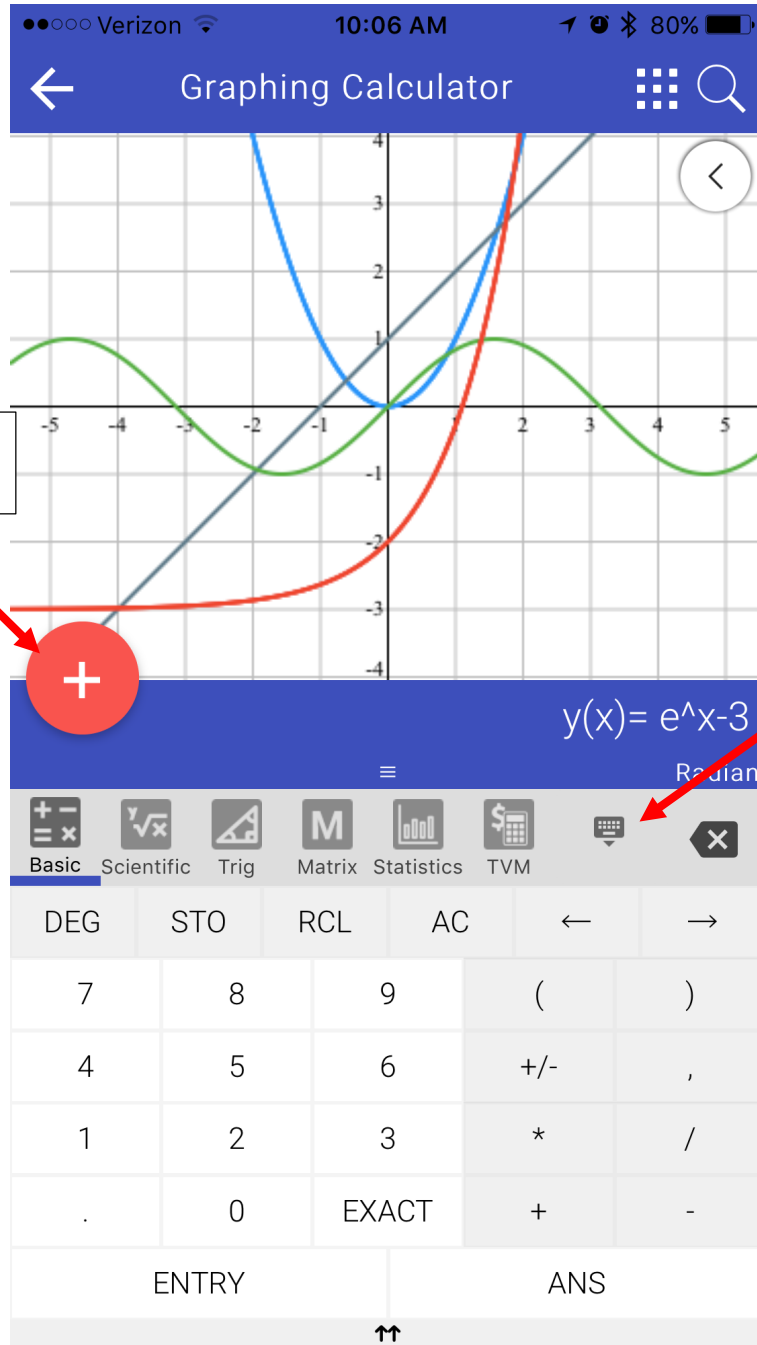
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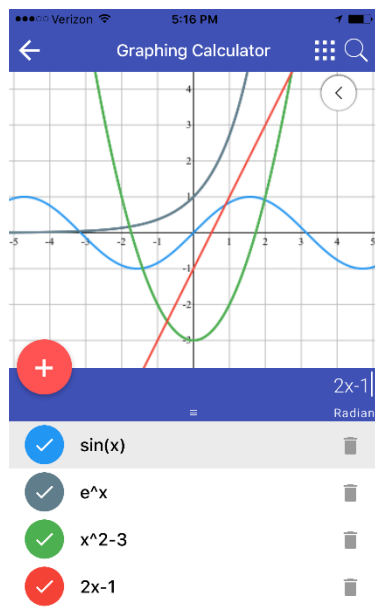
X. Graphing Calculator



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

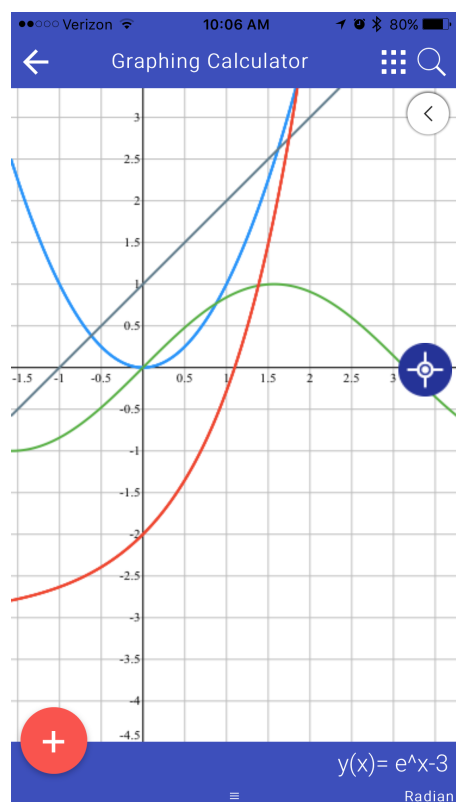
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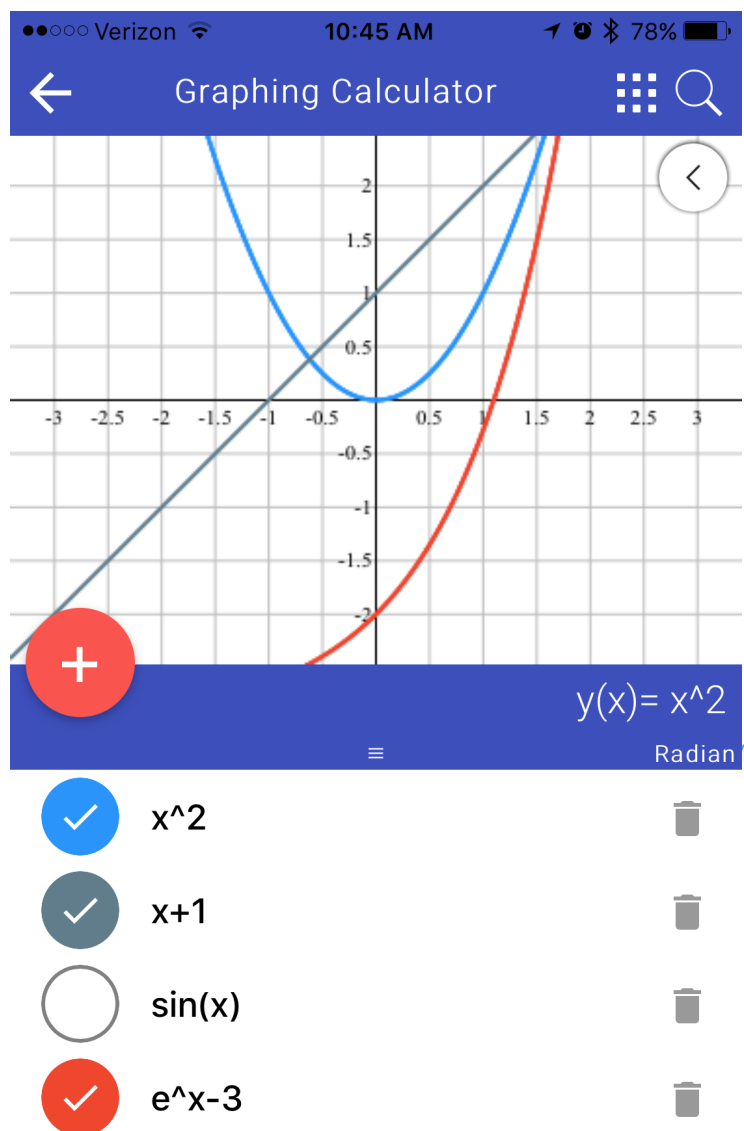


There is no limit to the number of functions you graph and they are all color coded!

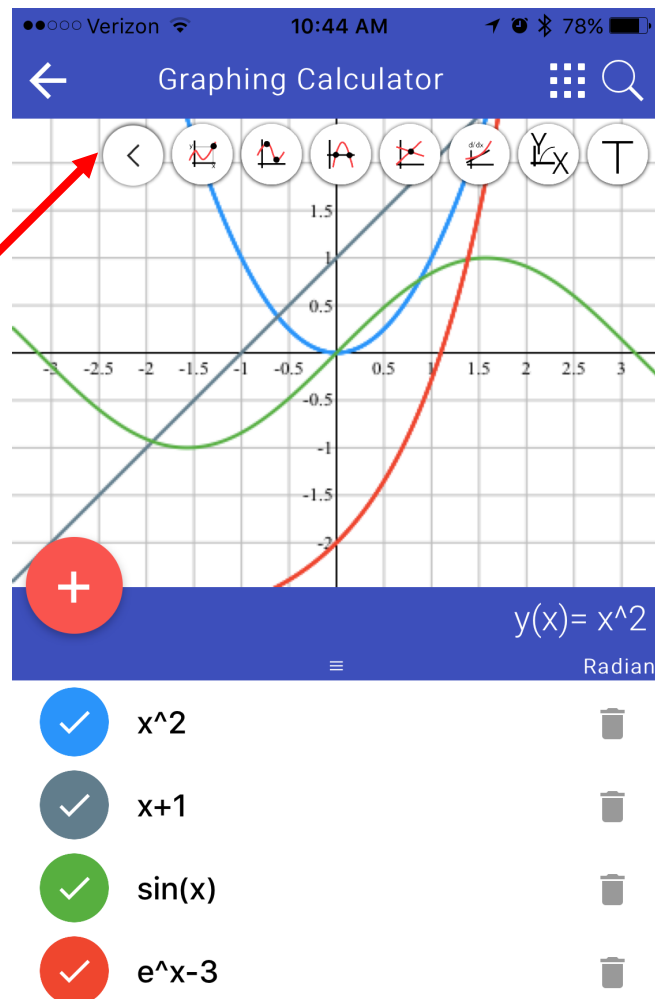
Swipe down on the keyboard to view your graphs full screen. It can also be done in landscape mode!



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.



Other Graphing Features



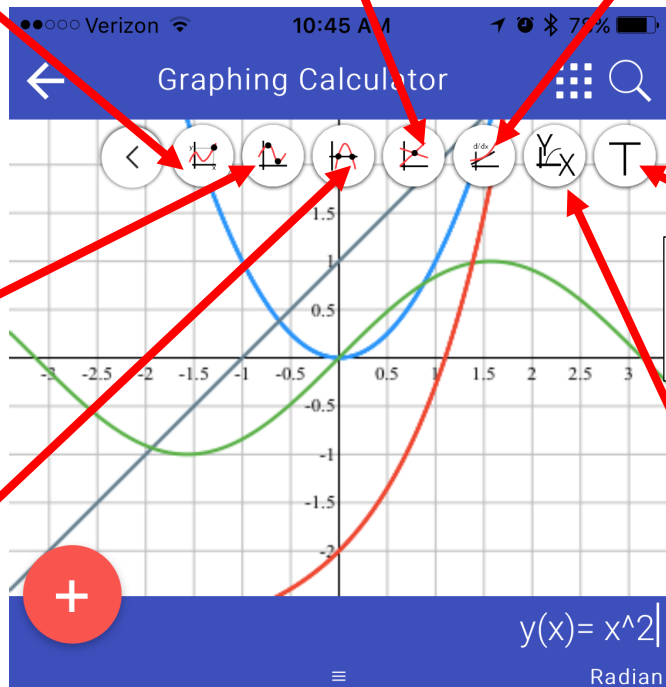
Click the triangle symbol to show the additional graphing features including: trace, min/max, roots/zeros, intersection, derivatives, setting the window manually, and a table of values.

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

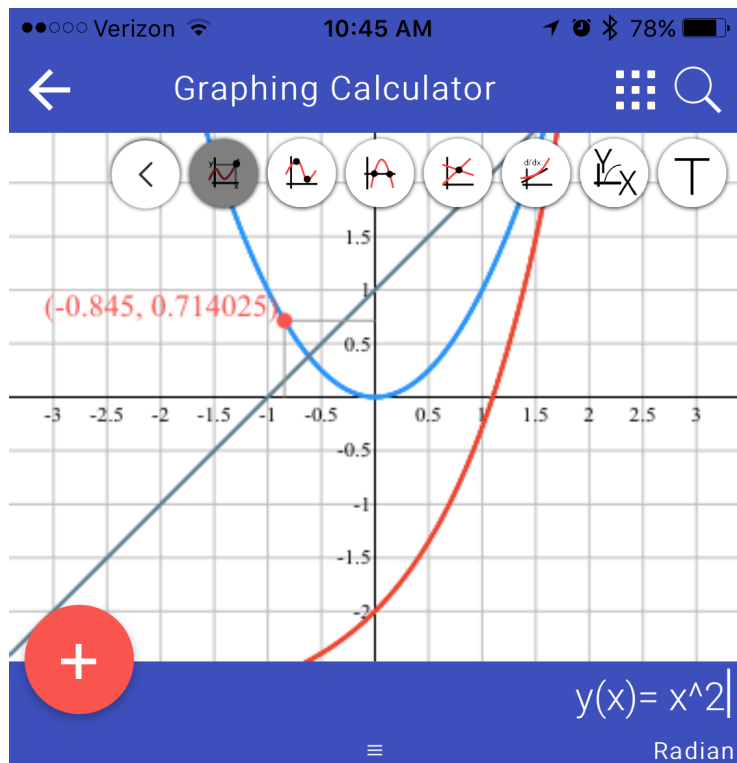
Find the roots/zeros of an equation.

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Set the window manually
X & Y Axis

- x^2 🗑️
- $x+1$ 🗑️
- $\sin(x)$ 🗑️
- e^x-3 🗑️

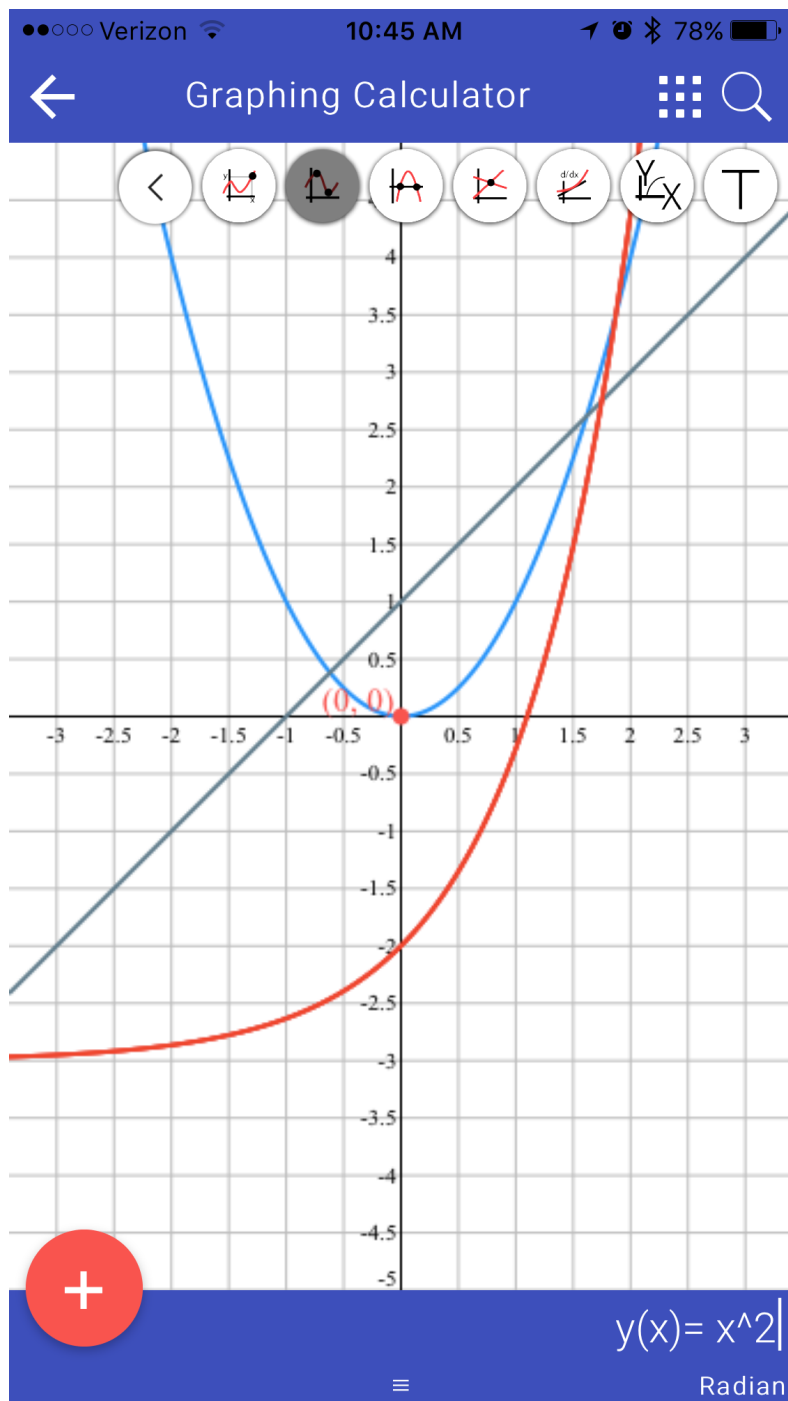
Trace Feature



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.

- x^2 
- $x+1$ 
- e^x-3 

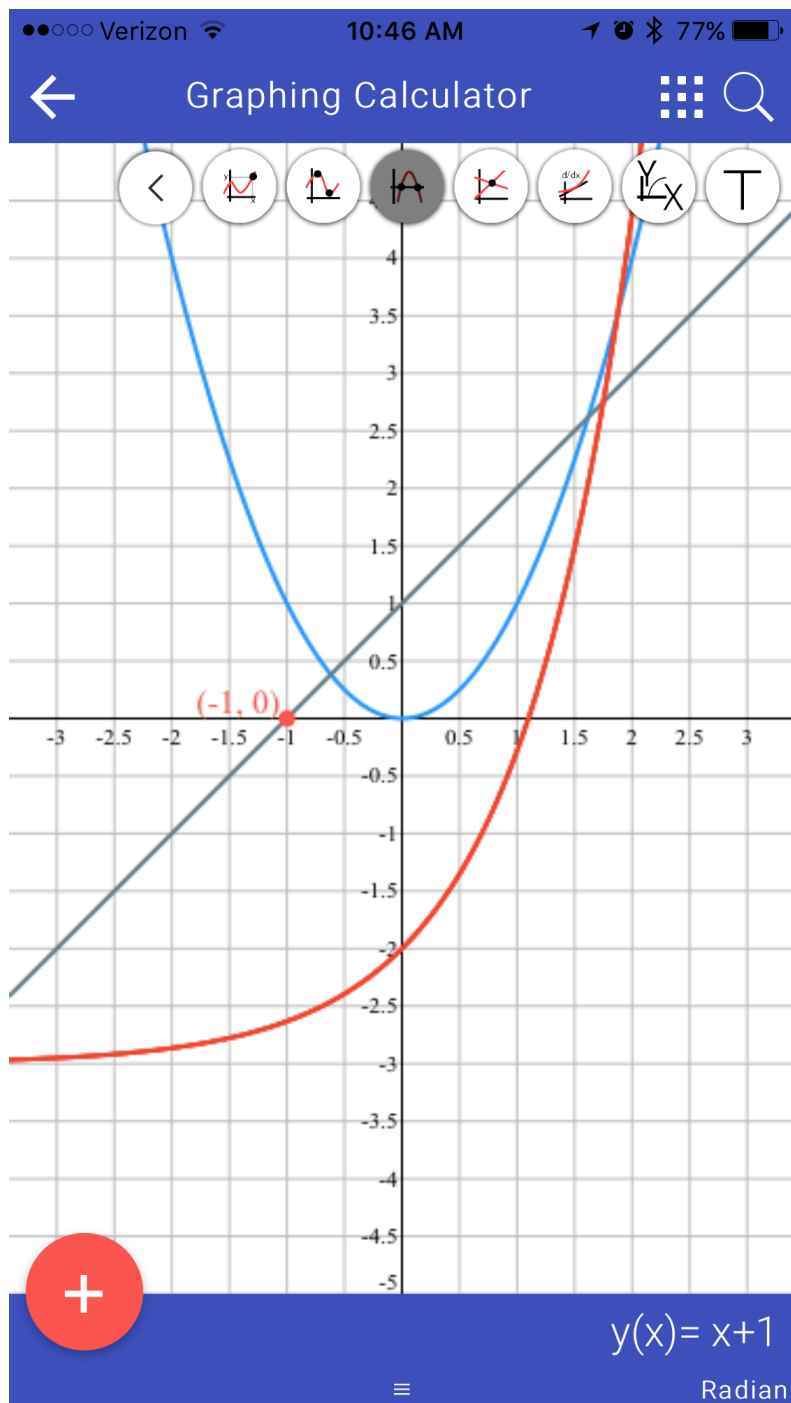
Maximum/Minimum Feature



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

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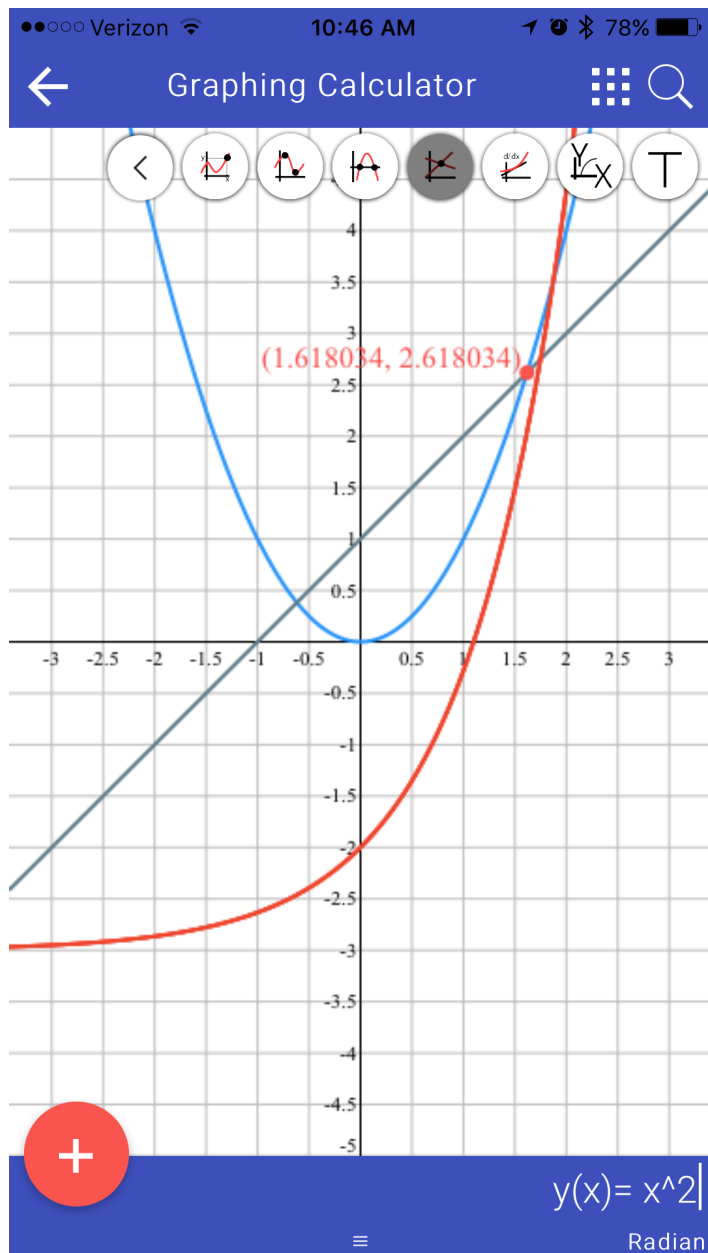
Root/Zero Feature



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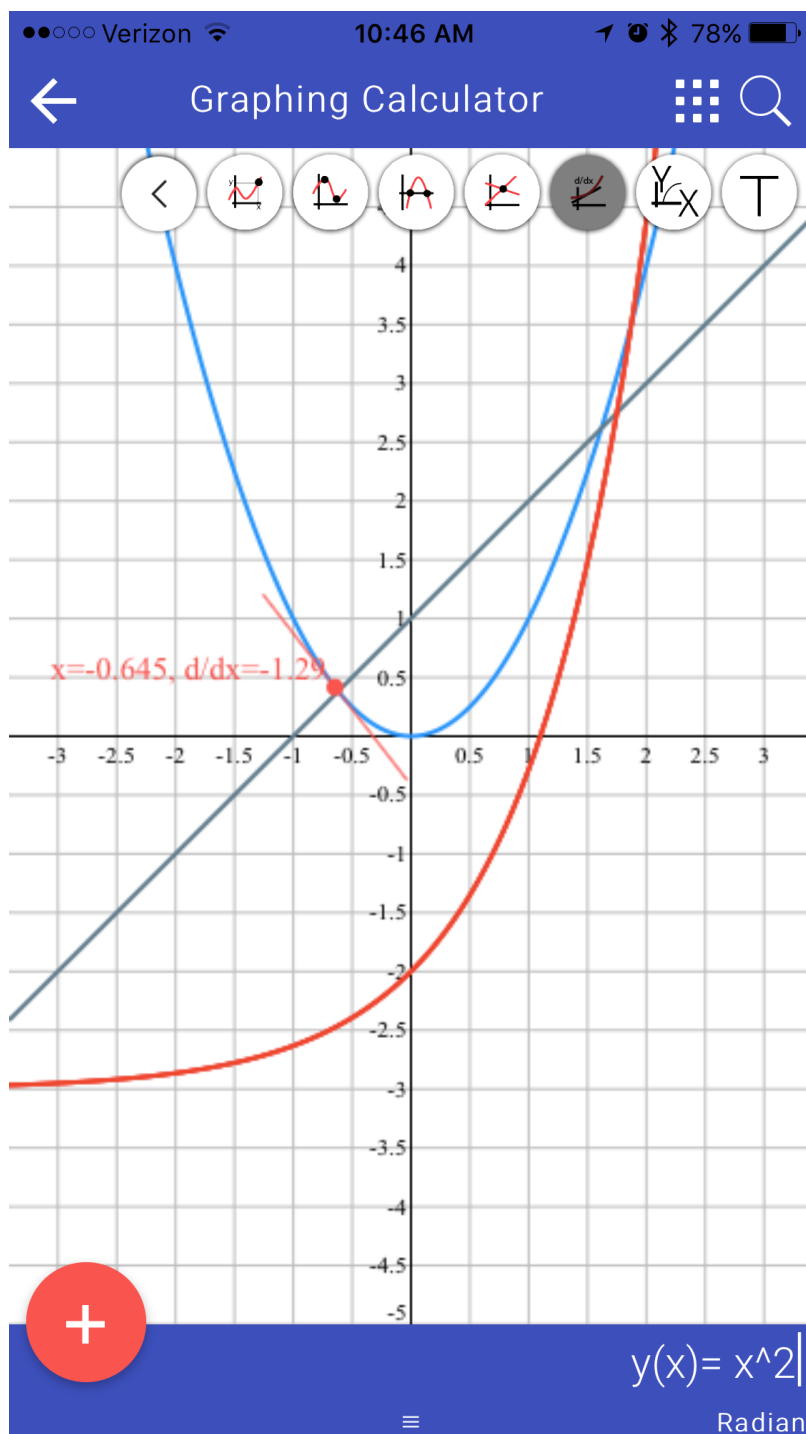
Here the equation, $x+1$ is selected to find the root/zero of the equation.

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 $x+1$

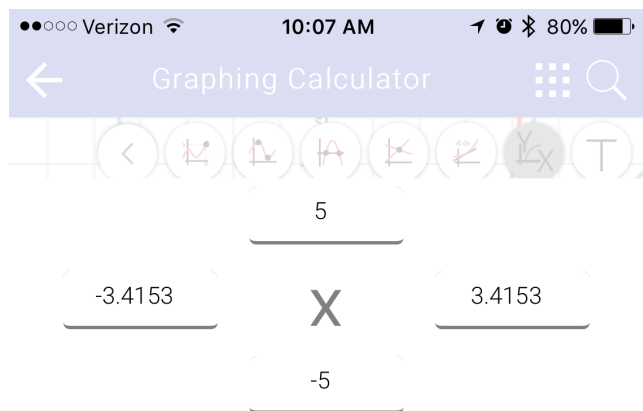
Derivative Feature



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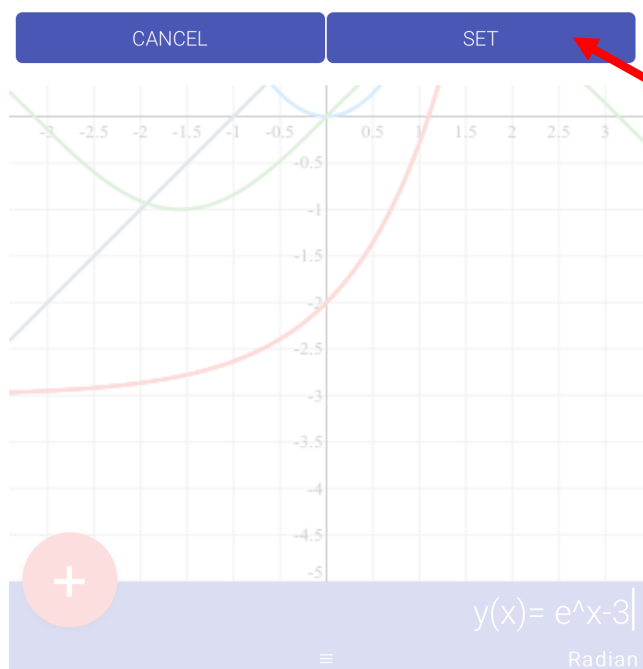
You can also find the derivative with the tangent line shown for the designated equation.

Set Window Feature



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

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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

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

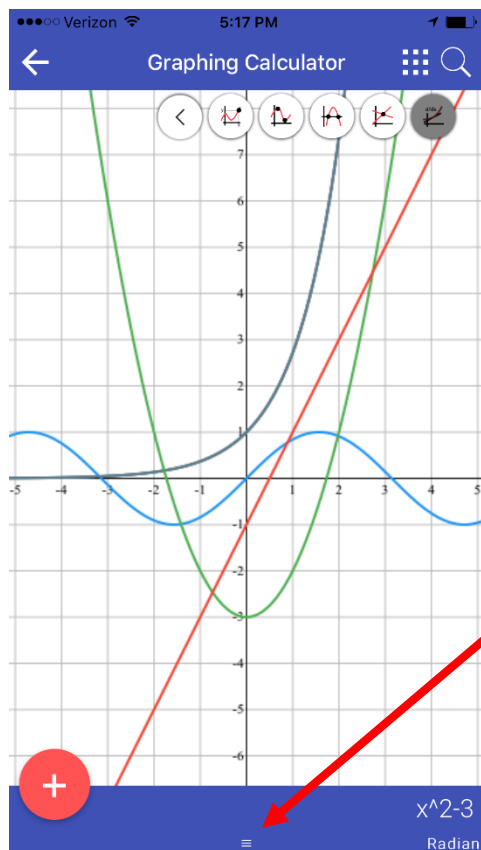
Select the Table from the menu to find the corresponding values of X and Y for the chosen equation.

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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.

X	Y
3	9
-12	144
-11	121
-10	100

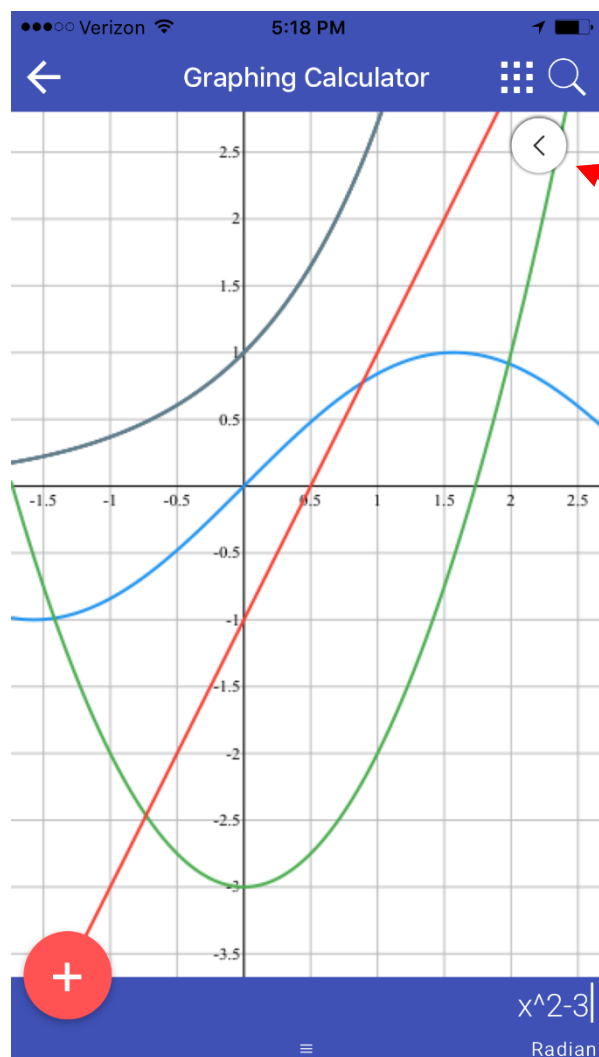
Zoom Feature



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

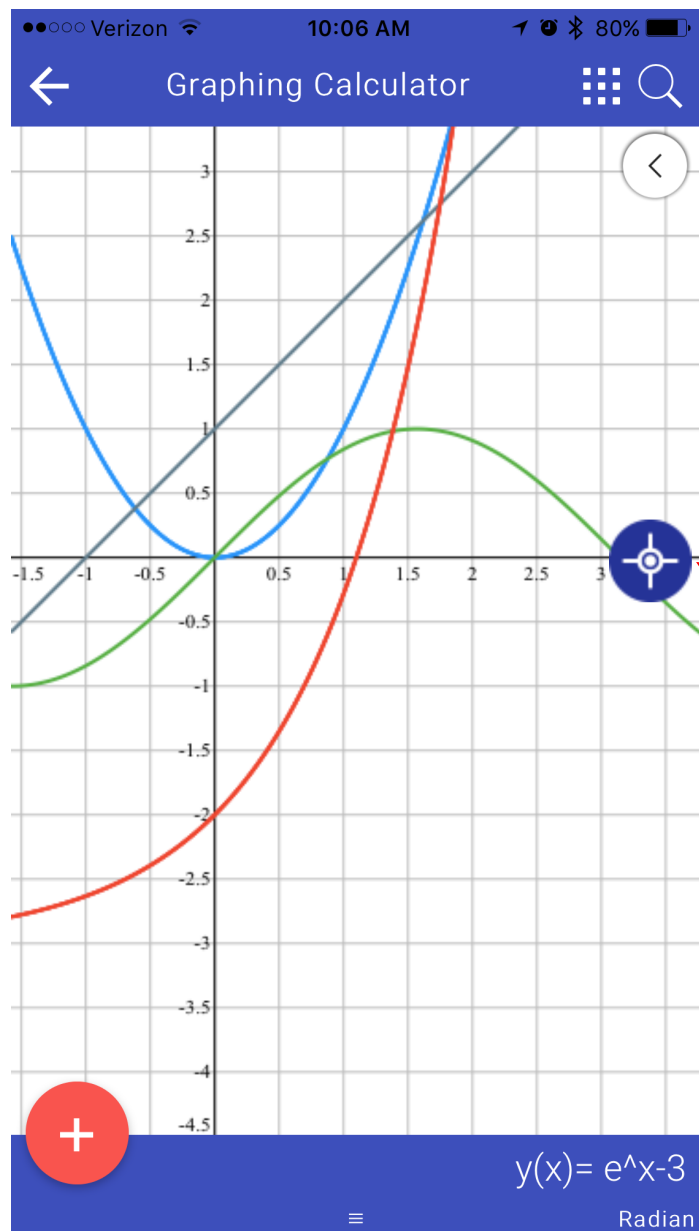
APHLOCK.COM

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.

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Zoom in and out by pinching and stretching the screen!

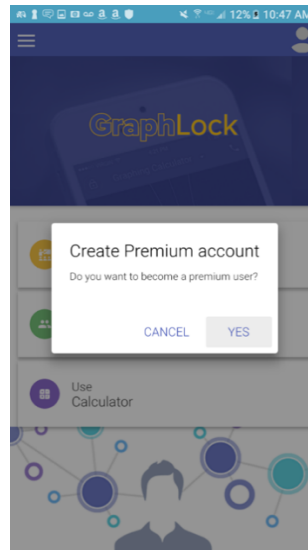
WWW.GRAPHLOCK.COM

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

XI. How to Use the Promo Codes

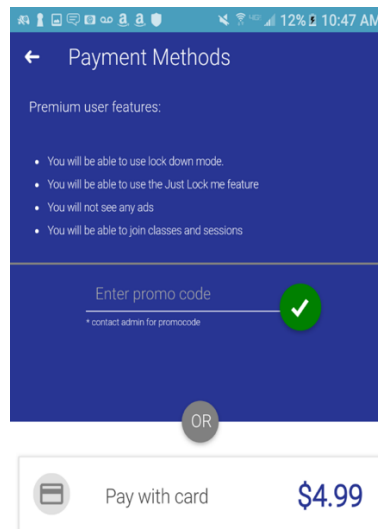
How to Upgrade the **Student** Version on **Android** Devices [Click HERE for a video](#)

1. First download GraphLock, register and create a profile.
2. After registering, you will click on “My Classes” and will then be prompted to upgrade.



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3. After selecting “YES” you will then directly enter the given promo code.



How to Upgrade the **Student** Versions on **Apple** Devices

[Click HERE for a video](#)

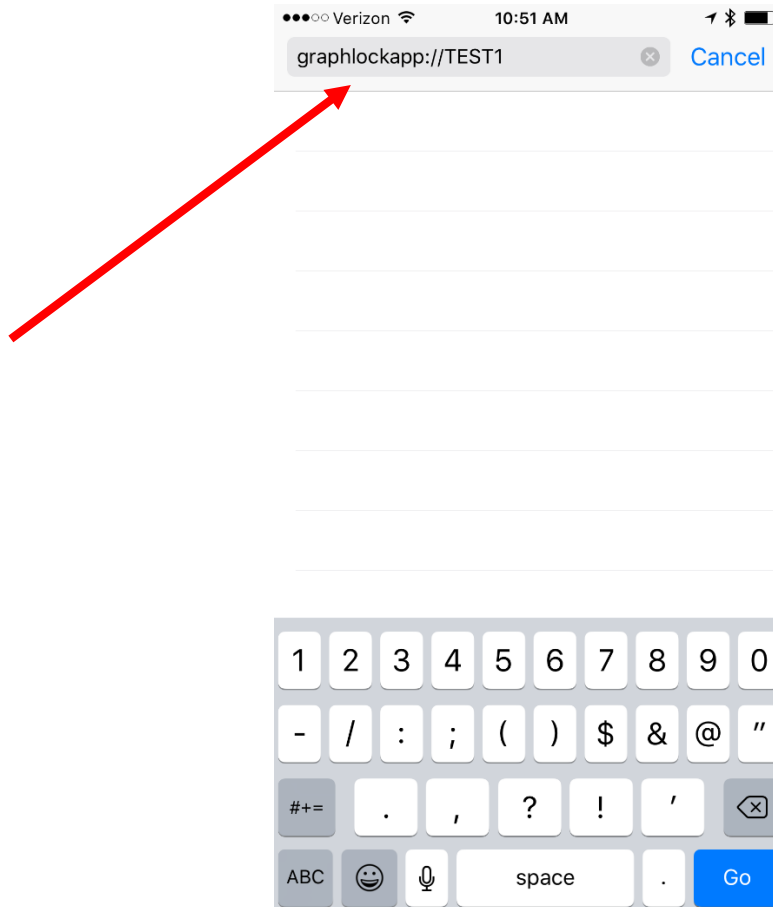
1. Once you download GraphLock and create a profile, either follow the link we sent to you in your email and/or type the link directly into your browser.

The link will be: [graphlockapp://_____](#) and fill in the blank with the given promo code.

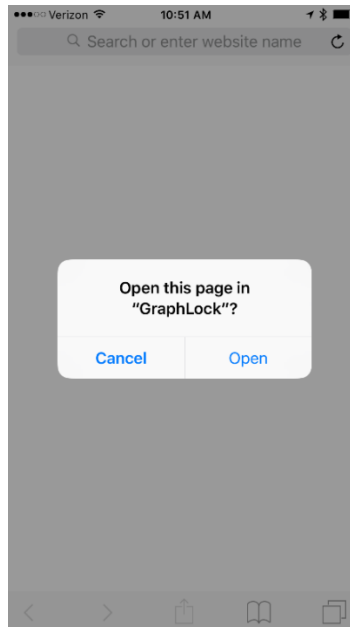
For example, if the promo code is: **TEST1** you will follow the link:
[graphlockapp://TEST1](#)

Or you can directly type the link directly into your browser:
[graphlockapp://TEST1](#)

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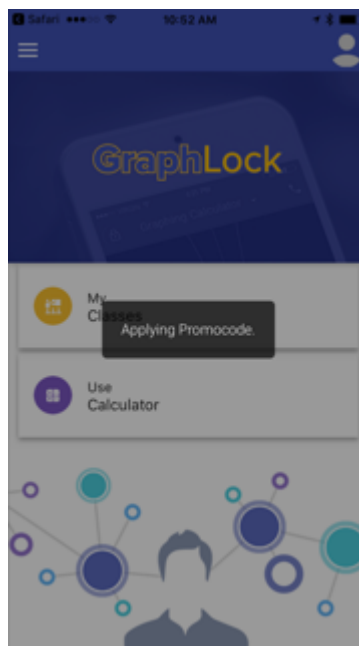


2. Once you follow the link, there will be a pop up asking to open this page in the GraphLock App. Select "Open"

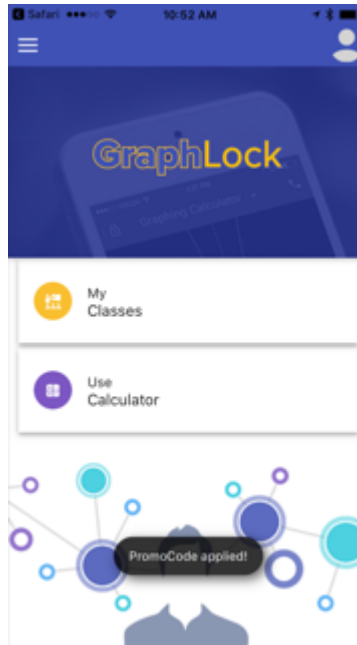


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3. You will be redirected to the app, where the promo code will be applied.



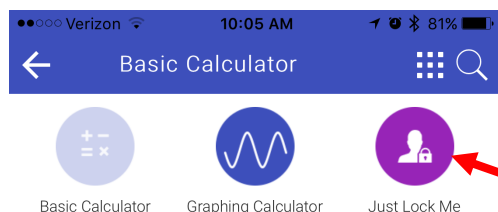
4. Your account will then be upgraded!



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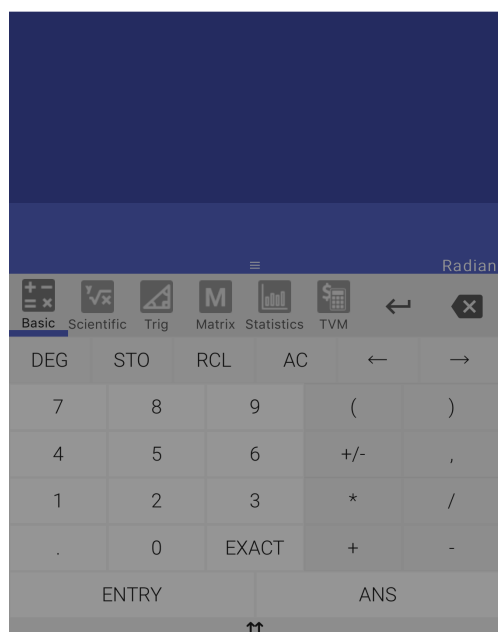
XII. Just Lock Me Mode

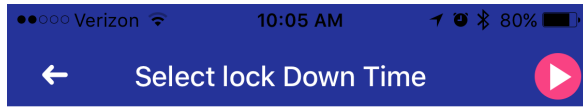
You can quickly and simply put yourself into Lockdown using the Just Lock Me Mode



Student can select "Just Lock Me" from the calculator menu

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HOURS 00 : 59 MIN
12 58
01 00

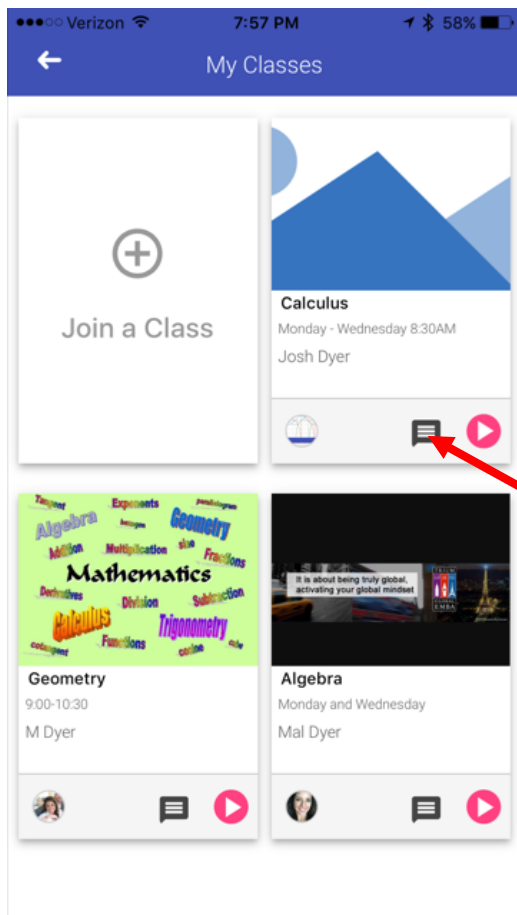
You can then set the timer for the lockdown mode and then will select the pink triangle to start the Just Lock Me session.

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You will still have a green stripe across the top of your device and will have access to an emergency call button.

XIII. Chat Features

You can chat with your entire class or an individual teacher, all while keeping phone numbers private! Send texts, pictures, and attachments.



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To chat with a class or teacher, go to "My Classes" and then click on the "chat" symbol to open the chat feature.

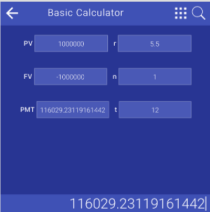
Verizon 8:40 PM 53%

Chat

Chat with the class | Chat with a teacher

Mrs. Dyer , Jdyer1212

When is the next test?
Jun 7, 2017 8:41 AM



Field	Value
PV	100000
FV	-100000
PMT	116029.23119161442
r	5.5
n	1
i	12

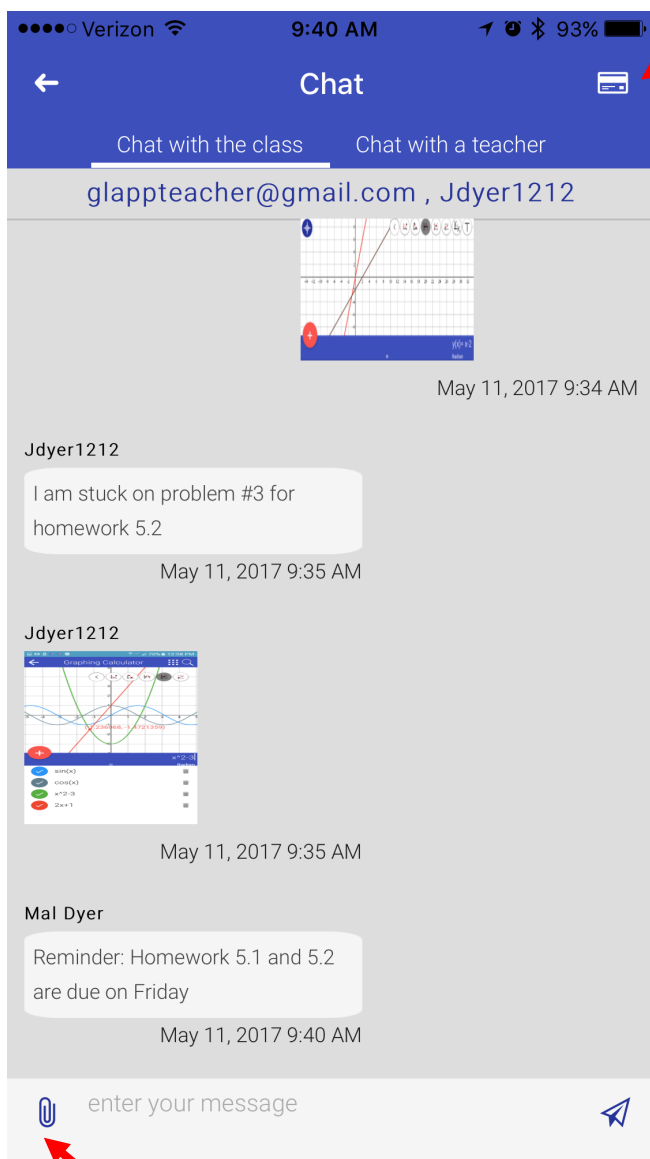
116029.23119161442
Jun 7, 2017 8:41 AM

Am I entering in these values wrong?
Jun 7, 2017 8:41 AM

enter your message

Select to "Chat with the class" or swipe left to send a message to your teacher.

Click here to see all attachments sent and received.



You can chat with the entire class or an individual teacher.

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Click here to send an attachment.

IMPORTANT

During a Lockdown Session, a teacher can send a class/student a message but students cannot respond nor send any messages through the chat feature.

Verizon 9:42 AM 93%

Chat

Chat with the class Chat with a teacher

glappteacher@gmail.com , Jdyer1212

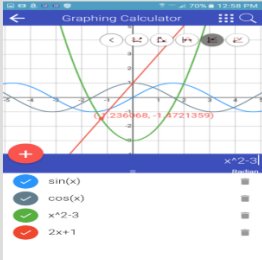
May 11, 2017 9:34 AM

Jdyer1212

I am stuck on problem #3 for homework 5.2

May 11, 2017 9:35 AM

Jdyer1212



May 11, 2017 9:35 AM

glappteacher@gmail.com

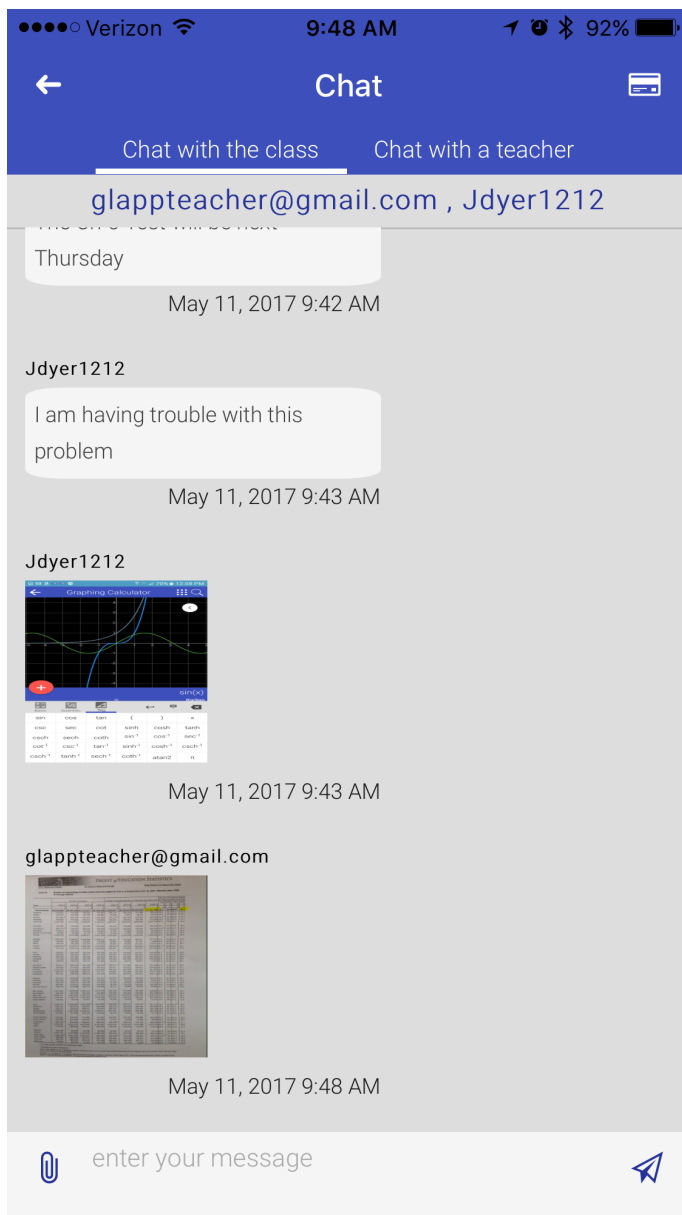
Reminder: Homework 5.1 and 5.2 are due on Friday

May 11, 2017 9:40 AM

What day is the chapter 5 test?

May 11, 2017 9:41 AM

enter your message



**Send texts, pictures,
screenshots, and attachments**

WWW.GRAPHLOCK.COM

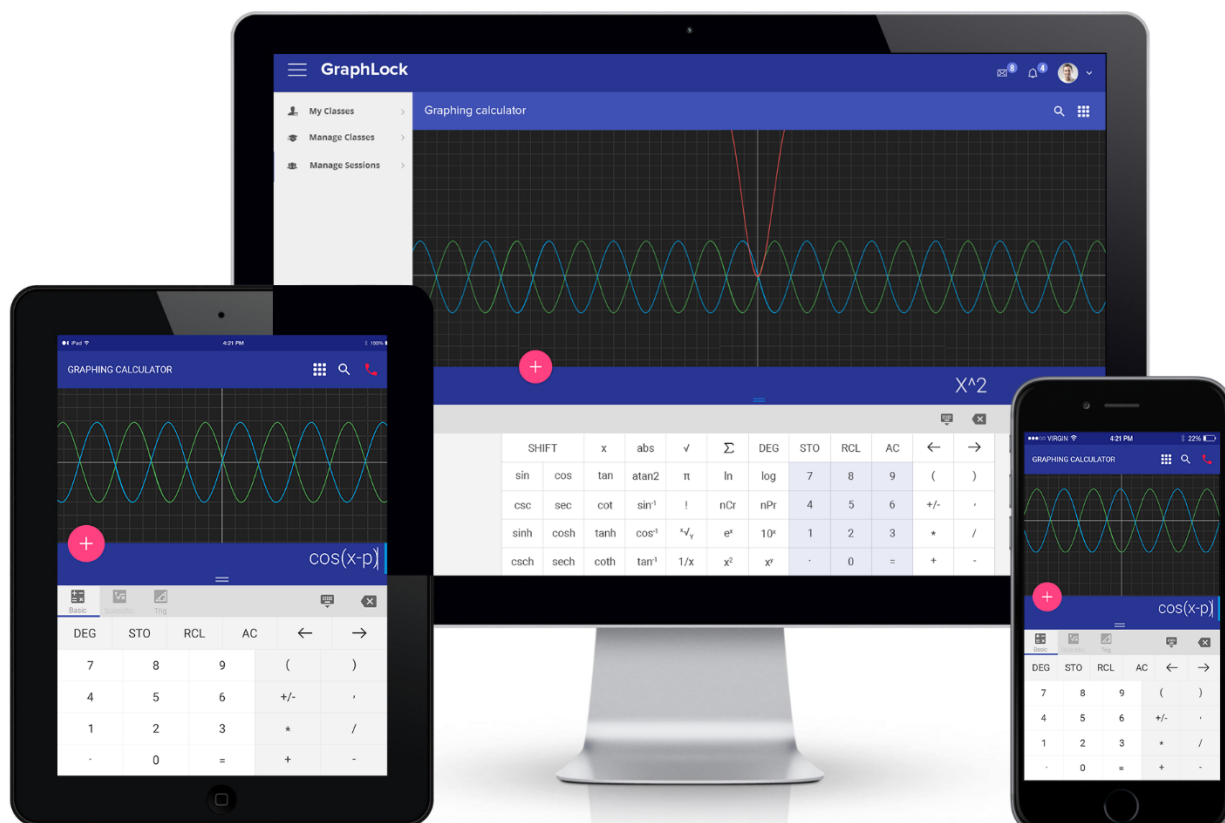
The “bell” on your home screen is where all your messages for all classes and students can be found.



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XIV. Calculator on the Webapp

You can also use the calculator on your computer. Go to: www.graphlockapp.com



XV. Additional Demo Videos

We have tutorial and demo videos located at our YouTube Channel:

<https://www.youtube.com/graphlock>

Our Webapp is located at:

<http://www.graphlockapp.com/>

Below are additional videos:

[How to Use GraphLock For Proctors & Testing Centers](#) WWW.GRAPHLOCK.COM

[How to Use GraphLock for Parents](#)

[Statistics on the Webapp](#)

[Matrices on the Webapp](#)

[Calculator Example Videos](#)

XVI. Help and Support

Thank you again for downloading GraphLock! Please let us know if you have any questions or feedback for us. Our goal is to make GraphLock the best possible app it can be for students and teachers! If you would like to schedule a demo or webinar with us to go through the different features, please contact us at the email below! Do not hesitate to contact us with any questions or feedback!

Contact us anytime at: info@graphlock.com

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Thank you,

Team GraphLock – Mallory, Josh, and VJ

