

## **TI-83/84/plus**

### **Graph**

1. Turn on and press Y=

\*\*make sure that the PLOT 1 at the top is not bolded\*\*

2. Type in the equation (always needs to be in y= form)

\*\*use the  $X, T, \theta, n$  button for x\*\*

3. Press GRAPH

### **Adjust the Window**

Press WINDOW and change your scale

\*\*Xmin & Ymin is the minimum, Xmax & Ymax is the maximum, Xscl & Yscl are the scales\*\*

OR

Press ZOOM and choose one of those options

\*\*ZStandard makes the graphing -10 to 10 by 1 & ZoomFit makes the graph fit the equation entered

### **Find the x-intercepts**

1. Graph the equation

2. Press 2<sup>nd</sup> and CALC

3. Press #2, which is ZERO

4. Left Bound? Pick an x-value to the left of the x-intercept you want and press enter (you can also scroll)

5. Right Bound? Pick an x-value to the right of the x-intercept you want and press enter (you can also scroll)

6. Guess? Pick an x-value that is close to the x-intercept you want and press enter

7. The x-intercept will show up on the bottom left of the screen

8. Repeat steps 2-7 for the other x-intercepts

### **Tracing the Graph (y-intercept, etc.)**

1. Graph the equation

2. Press TRACE

3. You can scroll with your left and right arrows or type in an x-value and press enter to see the corresponding y-value

### **Clearing the Graph**

1. Press Y= and then delete all of the equations listed

*Become familiar with how to do these operations and where certain keys are like squaring, square root, etc.*

## TI-Nspire

**\*\*Pressing ON will always get you back to the home screen\*\***

### **Graph**

1. Turn on, press ON for the home screen and then B for GRAPH
2. Type in the equation (always needs to be in  $y =$  form) – if there is no  $f(x)$  spot then press TAB and up/down  
    **\*\*use the keyboard for x\*\***
3. Press ENTER

### **Adjust the Window**

Press MENU then #4 WINDOW then #1 WINDOW SETTINGS and change your scale

**\*\*Xmin & Ymin is the minimum, Xmax & Ymax is the maximum, Xscl & Yscl are the scales\*\***

OR

Press MENU then #4 WINDOW then any ZOOM setting

**\*\*ZStandard makes the graphing -10 to 10 by 1 & ZoomFit makes the graph fit the equation entered**

### **Find the x-intercepts**

1. Graph the equation
2. Press MENU
3. Press #6 ANALYZE GRAPH then #1 ZERO
4. Left Bound? Use the center square to move the hand icon to the left of the x-intercept then press ENTER
5. Right Bound? Use the center square to move the hand icon to the right of the x-intercept then press ENTER
7. The x-intercept will show up in point form on the screen
8. Repeat steps 2-7 for the other x-intercepts

### **Tracing the Graph (y-intercept, etc.)**

1. Graph the equation
2. Press MENU then #5 TRACE then #1 GRAPH TRACE
3. You can scroll with your left and right arrows or type in an x-value and press enter to see the corresponding y-value

### **Clearing the Graph**

1. Press MENU then #1 ACTIONS then #4 DELETE ALL

*Become familiar with how to do these operations and where certain keys are like squaring, square root, etc.*