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, θ, 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 2nd and CALC

3. Press #2, which is ZERO

4. Left Bound? Pick an x-value to the left of the x-incept 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-incept then press ENTER

5. Right Bound? Use the center square to move the hand icon to the right of the x-incept 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.