

Graphing on the TI-83+

Before you begin graphing, you will need to clear any functions or variables stored in your calculator.

To Clear Home Screen

Clear

To Clear Previously Saved Functions

Y=

Move the cursor to each function and press **Clear**

To Set Graph Scale

Zoom

6:ZStandard - Usually referred to as the standard viewing window. Sets the x and y axis from -10 to 10. This view is not in proportion as the scale is greater along the x axis.

Zoom

5:ZSquare - View is in proportion. The scale is the same on each axis but smaller.

To view the window settings and change as necessary

Window

Entering Functions

(Equations must be in slope intercept form $y = mx + b$)

Y=

Enter the following equations

(Type only the right side)

$$y1 = 2x + 1$$

$$y2 = -3x + 2 \text{ (Use the (-) not - for a negative number)}$$

$$y3 = 3$$

$$y4 = \frac{3}{4}x - 3 \text{ Be careful how you enter this: } 3 / 4 * x - 3$$

(Notice that the equal sign in each equation is highlighted. Those that are highlighted will be graphed.)

Graphing Equations

Graph

(This shows all four graphs)

Selecting Graphs

Y=

Move the cursor to **y2**

Arrow to the left so the cursor is blinking on the = sign.

Enter removes the highlight

Press **Enter** again to restore the highlight.

Changing Graph Formats

The only formatting that can be done on the TI-83+ changes the graph to dot mode rather than line mode.

Mode

Arrow to the 5th line and select either **Connected** or **Dot**

Enter