

Graphing on the TI-85

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

Graph

F1: Y=

Move the cursor to each function and press **F4: DELf**

To Set Graph Scale

Graph

F3: Zoom

F4: ZStd - 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.

F3: Zoom

More, F2: ZSqr - View is in proportion. The scale is the same on each axis but smaller.

To view the window settings and manually change as necessary

Graph, F2: Range

Entering Functions

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

Graph, F1: Y=

Enter the following equations

(Type only the right side)

$$y1 = 2x + 1$$

$$y2 = -3x + 2$$

$$y3 = 3$$

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

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

Graphing Equations

Exit, F5: Graph

(This shows all four graphs)

Selecting Graphs

F1: Y=

(**F5** toggles the highlight on or off.)

Move the cursor to **y2** and tap **F5**

Tap **F5** again and the highlight reappears.

Changing Graph Formats

The only formatting that can be done on the TI-85 changes the graph to dot mode rather than line mode.

Graph

More

F3: Formt

Arrow to the 3rd line and select either **DrawLine** or **DrawDot**