# Graphing on the TI-86

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**
   If any of the Plot functions are highlighted, move the cursor to the highlighted plot and press **Enter.** The highlight will be removed.

## 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 settings and change as necessary)

   **Graph, F2: Wind**

## Entering Functions
(Equations must be in slope intercept form  y  =  mx  +  b )
   **Graph,**
   **F1: Y=**
Enter the following equations
(Type only the right side)

$y1 = 2x + 1$
$y2 = -3x + 2$
$y3 = 3$
$y4 = \dfrac{3}{4}x - 3$

(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
(**More** then **F3 Style** changes the style of the graph.  Each time F3 is tapped the style is changed and displayed to the left of the equation)

Move to y1
Tap **F3 Style** once (graph will be thicker)
Move to y2
Tap **F3 Style** 6 times (graph will be dotted)
Move to y3
Tap **F3 Style** twice (area above graph will be shaded)
Move to y4
Tap **F3 Style** four times (leading edge of graph will be a circle)

To view the graphs

**Graph**
**F5: Graph**