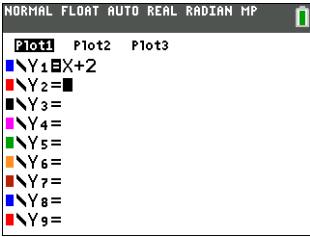
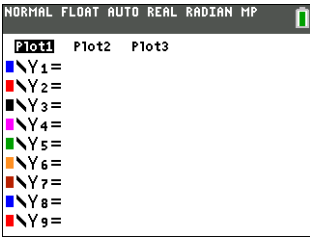
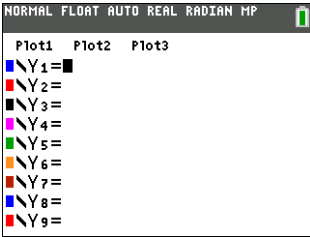
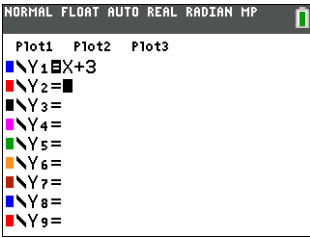
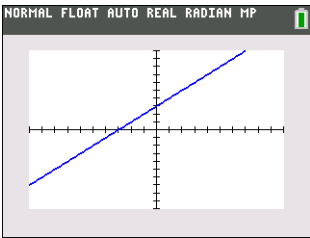


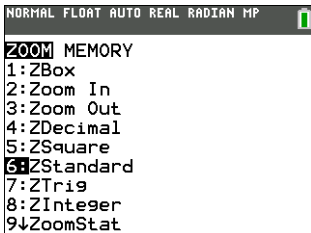
# Graphing an Equation

## Tutorial Overview

In this tutorial, you will learn how to graph an equation using the TI-84 Plus Graphing Calculator.

Action	Screens
<p><b>Step 1:</b> Go to the Y= Screen</p> <p>Press Y= button</p>	 <p>The screen shows the Y= editor with Plot1 selected. The equation Y1=X+2 is entered. Other plots (Y2 through Y9) are shown as blank lines.</p>
<p><b>Step 2:</b> If you have any equations entered, you will want to clear them first.</p> <p>Put the cursor on the equation and press CLEAR.</p>	 <p>The screen shows the Y= editor with all equations cleared, indicated by blank lines for Y1 through Y9.</p>
<p><b>Step 3:</b> If you have a Stat Plot turned on, you will see the indicator highlighting one of the Plots on the top line on the screen.</p> <p>Put the cursor on the plot name and press ENTER to deactivate the Stat Plot.</p>	 <p>The screen shows the Y= editor with a small square indicator next to Plot1, indicating that a stat plot is turned on for that plot.</p>
<p><b>Step 4:</b> Place the cursor beside Y1= and enter the equation.</p>	 <p>The screen shows the Y= editor with the equation Y1=X+3 entered. The stat plot indicator is still present next to Plot1.</p>
<p><b>Step 5:</b> To display the graph:</p> <p>Press the GRAPH key. The graph shown to the right is in the Standard Viewing Window.</p>	 <p>The screen shows the Standard Viewing Window with a coordinate plane. A blue line representing the equation Y1=X+3 is graphed, passing through the points (-1, 0) and (0, 1).</p>

## Graphing an Equation

Action	Screens
<p><b>Step 6:</b> To adjust the window easily, press the ZOOM key. You can scroll through the list and press ENTER to select a window.</p> <p>The standard window setting is available through the ZStandard which puts the origin in the middle of the screen and sets a window with both x and y minimums as -10 and maximums at 10.</p> <p><b>Note:</b> This is a viewing window in which the physical spaces between the tic marks is not the same on the two axes and results in a vertically stretched graph.</p>	 <p>The screenshot shows the TI-84 Plus ZOOM MEMORY menu. At the top, it lists modes: NORMAL, FLOAT, AUTO, REAL, RADIAN, and MP. Below that, it says 'ZOOM MEMORY' and lists options 1 through 9: 1: ZBox, 2: Zoom In, 3: Zoom Out, 4: ZDecimal, 5: ZSquare, 6: ZStandard (highlighted with a cursor), 7: ZTrig, 8: ZInteger, and 9: ZoomStat.</p>