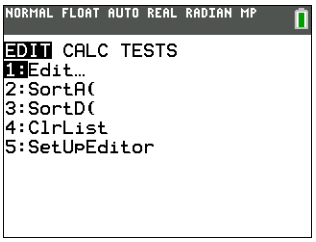
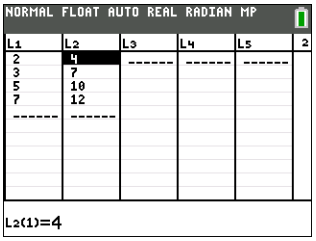
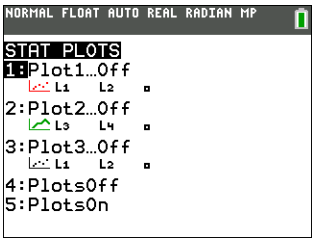
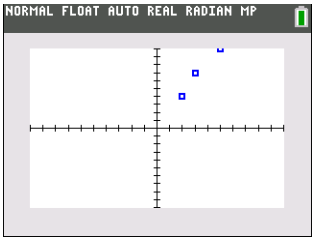
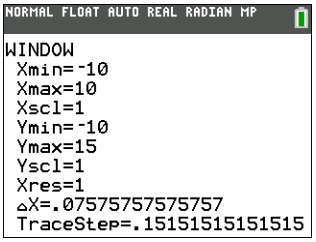
Using a Manual Fit Line

Tutorial Overview

In this tutorial, you will learn how to use a manual fit line with the TI-84 Plus Graphing Calculator.

Action	Screens
Step 1: Press STAT and select EDIT.	
Step 2: Enter data in List 1 and List 2.	
Step 3: Press 2nd STAT PLOT (this is the Y= key). At this point, you can see if the plots are on or off. All plots should be off except the one with which you are working.	
Step 4: Press GRAPH.	
Step 5: All the data points may not be visible and the window will need to be changed. Press WINDOW to change the window settings. You can change the minimums and maximums to include all the data points.	

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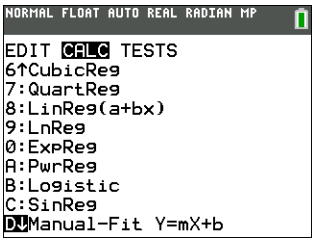
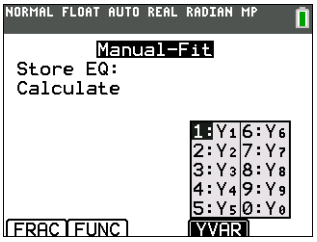
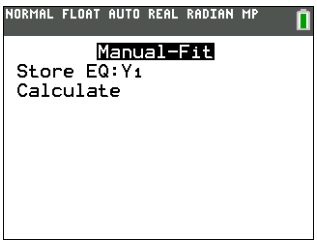
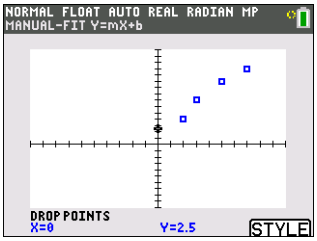
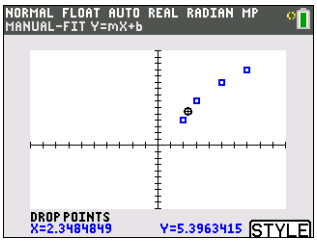
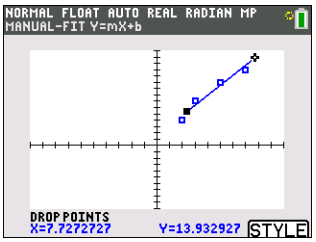
Action	Screens
Step 6: To access the manual-fit line, press STAT and right arrow to access the CALC menu. Select Manual-Fit Y=mX + b.	
Step 7: The screen that you will see shows that you need to select a location in the y= (equation editor) to store the result of calculator of the manual-fit line. Press ALPHA F4 (this is the TRACE button) and you will see the selections. Press ENTER to select Y1.	
Step 8: Down arrow to Calculate and press ENTER to calculate the manual-fit line.	
Step 9: You will see a cursor in the center of the screen. Use the arrows to move the cursor to a location that you think will be on a trend line.	
Step 10: Press ENTER to anchor the first point. Continue to move the line using the arrows.	
Step 11: When you have found a second point that you think would be on the trend line, press ENTER.	

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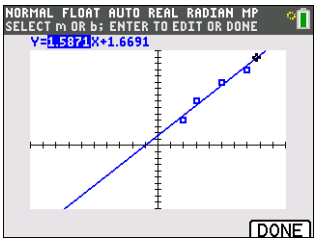
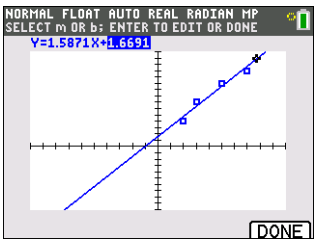
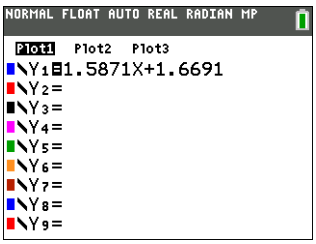
Step 12: You will see the equation of the current line appear on the screen with the slope highlighted. Press ENTER if you would like to edit the slope.	
Step 13: You can right arrow to select the y-intercept, press ENTER and edit that value as well. When you are satisfied with the equation, Select Done (this is the soft key associated with the GRAPH button).	
Step 14: Press Y= to see the equation stored in Y1.	

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