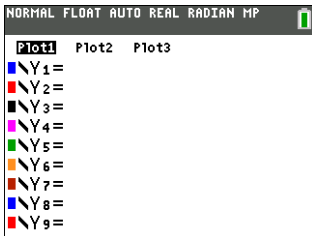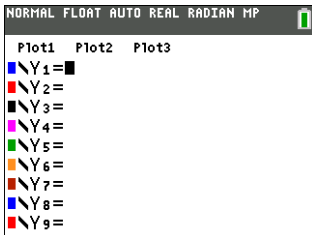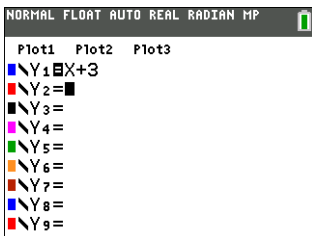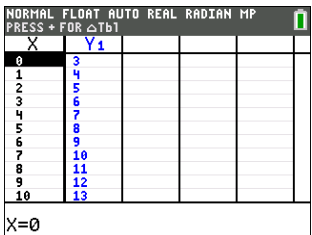# Building a Table

Tutorial Overview

In this tutorial, you will learn how to build a table of values using the TI-84 Plus Graphing Calculator.

Action	Screens
Step 1: Go to Y= Screen	NORMAL FLOAT AUTO REAL RADIAN MP **Plot1** Plot2 Plot3 Y1◼X+2 Y2=◼ Y3= Y4= Y5= Y6= Y7= Y8= Y9=
Step 2: If you have any equations entered, you will want to clear them first. Put the cursor on the equation and press CLEAR.	NORMAL FLOAT AUTO REAL RADIAN MP **Plot1** Plot2 Plot3 Y1= Y2= Y3= Y4= Y5= Y6= Y7= Y8= Y9=
Step 3: 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. Put the cursor on the plot name and press ENTER to deactivate the Stat Plot.	NORMAL FLOAT AUTO REAL RADIAN MP Plot1 Plot2 Plot3 Y1=◼ Y2= Y3= Y4= Y5= Y6= Y7= Y8= Y9=
Step 4: Place the cursor beside Y1= and enter the equation.	NORMAL FLOAT AUTO REAL RADIAN MP Plot1 Plot2 Plot3 Y1◼X+3 Y2=◼ Y3= Y4= Y5= Y6= Y7= Y8= Y9=
Step 5: To display the table: Press 2nd Table (this is the GRAPH button) You will see a table that starts at 0 and shows input steps by one as the default setting of the table.	NORMAL FLOAT AUTO REAL RADIAN MP PRESS + FOR △Tbl X | Y1 0 | 3 1 | 4 2 | 5 3 | 6 4 | 7 5 | 8 6 | 9 7 | 10 8 | 11 9 | 12 10 | 13 X=0

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Building a Table

Action	Screens
Step 6: You may want to change the table setup in some situations, especially when students are working with multiple-choice questions. Press 2nd TBLSET (this is the WINDOW button) It is efficient to change the table set to ASK for input (x) values to have to only process the outputs(y) values for those values in a given problem.	NORMAL FLOAT AUTO REAL RADIAN MP TABLE SETUP TblStart=0 ᐃTbl=1 Indpnt: **Auto** Ask Depend: **Auto** Ask NORMAL FLOAT AUTO REAL RADIAN MP TABLE SETUP TblStart=0 ᐃTbl=1 Indpnt: Auto **Ask** Depend: **Auto** Ask NORMAL FLOAT AUTO REAL RADIAN MP X|Y₁ 5|8 -3|0 X=

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