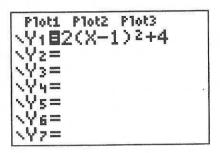
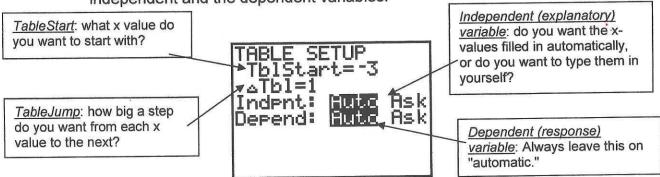
TI 83/84: Using the TABLE on your calculator -- WAY useful!

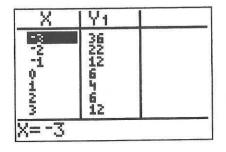
• Enter an equation on your Y= screen.



- Press 2nd, then TBLSET. (above the WINDOW key on the top row)
- Set up the <u>table start</u> value and the <u>table jump</u> values, highlight **Auto** on both the independent and the dependent variables:



Press, 2nd, then TABLE. (above the GRAPH key on the top row)



Cool! There's the whole t-table.

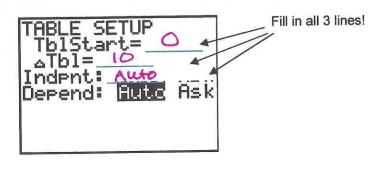
- Use your up and down arrow keys to look at smaller and larger x values.
- Use the numbers from the table to make your hand-drawn exact graph.
- If you want to type in your own x-values, set the independent variable to Ask instead of Auto.

Practice: Entering Tables in your Calculator

Set up the following tables in your calculator (think about the *TableStart* and the *TableJump* for each one), then fill in the y values for $y = 2(x-1)^2 + 4$ (the equation from the previous page) below.

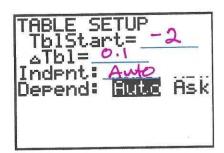
(1)	Х	Y ₁
	0	6
	10	166
	20	726
	30	1686
	40	3046
	50	4806
	60	6966

Fill in how you needed to set up your calculator:



Х	Y ₁
-2	22
-1.9	20.82
-1.8	19.68
-1.7	18.58
-1.6	17.52
-1.5	16.5
-1.4	15.52
	-2 -1.9 -1.8 -1.7 -1.6 -1.5

Fill in how you needed to set up your calculator (all 3 lines):

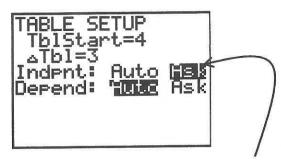


(3)	X	Y ₁
	4	22
	7	76
	10	166
	13	292
	16	454
	19	652
	22	886

Fill in how you needed to set up your calculator (all 3 lines):



(4)	X	Y ₁
	1.01	4.0002
	23	972
	4	22
	3.14	13.159
	49	4612
	-6	102
	5	36



(The important part on this one is to have it ASK for the independent variable – then just type the numbers into the x column. The table start and the table jump $\underline{don't}$ \underline{matter} .)