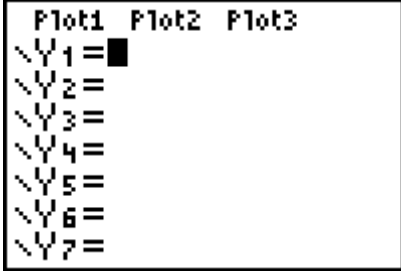
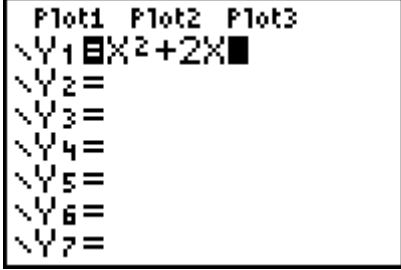

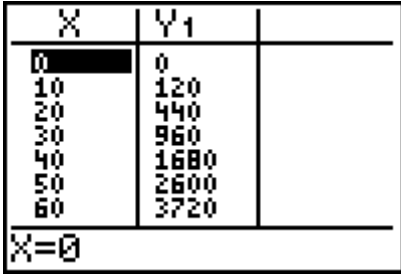
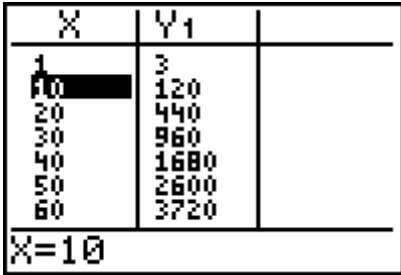
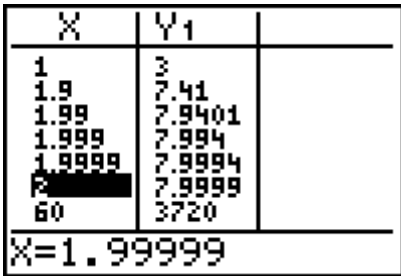
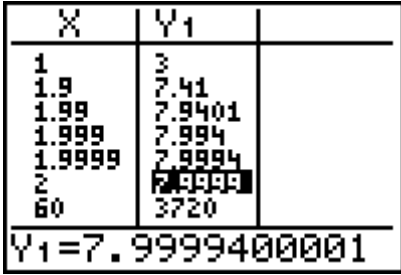


Make a Table from a Formula at User Supplied Values on a TI Graphing Calculator

Make a table for the function $f(x) = x^2 + 2x$ using values supplied by the user

<ol style="list-style-type: none"> 1. Turn the calculator on by pressing [ON]. 2. Press [Y=] to equation editor. This is where we will place the function's formula. 	 <p>Plot1 Plot2 Plot3 \Y1= \Y2= \Y3= \Y4= \Y5= \Y6= \Y7=</p>
<ol style="list-style-type: none"> 3. Press [X,T,θ,n][x²][+][2][X,T,θ,n] on the line \Y1. You could also press [X,T,θ,n][^][2][+][2][X,T,θ,n] to put in the formula. The [^] key can be used to insert any power. 	 <p>Plot1 Plot2 Plot3 \Y1=X²+2X \Y2= \Y3= \Y4= \Y5= \Y6= \Y7=</p>
<ol style="list-style-type: none"> 4. Press [2nd][MODE] to exit the equation editor. 5. Press [2nd][WINDOW] to enter the TABLE SETUP screen. This screen allows you to change the starting x value of the table (TblStart) and the increments by which x values change in the table (ΔTbl). You can also choose to have the x values (Indpnt) or y values (Depend) generated automatically. Choosing Ask allows you to put in the x or y values yourself. 6. Change the values on this screen so that they look like the ones to the right. If you need to change from Auto to Ask or Ask to Auto, use the arrow keys to move to the entry you want to highlight. Then press [ENTER] to highlight your choice. The values for 	 <p>TABLE SETUP TblStart=0 ΔTbl=10 Indpnt: Auto Ask Depend: Auto Ask</p>

Make a Table from a Formula at User Supplied Values on a TI Graphing Calculator

<p>TblStart and ΔTbl are not important since we'll supply the inputs for x in the table.</p>																																																	
<p>7. Press $\boxed{2nd}\boxed{GRAPH}$ to see the table.</p>	 <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">X</th> <th style="width: 15%;">Y1</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td><td></td></tr> <tr><td>10</td><td>120</td><td></td></tr> <tr><td>20</td><td>440</td><td></td></tr> <tr><td>30</td><td>960</td><td></td></tr> <tr><td>40</td><td>1680</td><td></td></tr> <tr><td>50</td><td>2600</td><td></td></tr> <tr><td>60</td><td>3720</td><td></td></tr> </tbody> </table> <p style="text-align: center;">X=0</p>	X	Y1		0	0		10	120		20	440		30	960		40	1680		50	2600		60	3720																									
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60	3720																																																
<p>8. In the first column and first row of the table, press $\boxed{1}\boxed{ENTER}$. The corresponding y value for $x = 1$ will be generated in the second column.</p>	 <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">X</th> <th style="width: 15%;">Y1</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr><td>1</td><td>3</td><td></td></tr> <tr><td>10</td><td>120</td><td></td></tr> <tr><td>20</td><td>440</td><td></td></tr> <tr><td>30</td><td>960</td><td></td></tr> <tr><td>40</td><td>1680</td><td></td></tr> <tr><td>50</td><td>2600</td><td></td></tr> <tr><td>60</td><td>3720</td><td></td></tr> </tbody> </table> <p style="text-align: center;">X=10</p>	X	Y1		1	3		10	120		20	440		30	960		40	1680		50	2600		60	3720																									
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<p>9. We can enter more values in the first column by simply typing the number and pressing \boxed{ENTER}.</p> <p>10. If we type in number with a large number of decimal places, the values will get rounded in the table. However, if you move the cursor to the entry in the table you can see the value shown to more decimal places at the bottom of the screen.</p>	 <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">X</th> <th style="width: 15%;">Y1</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr><td>1</td><td>3</td><td></td></tr> <tr><td>1.9</td><td>7.41</td><td></td></tr> <tr><td>1.99</td><td>7.9401</td><td></td></tr> <tr><td>1.999</td><td>7.994</td><td></td></tr> <tr><td>1.9999</td><td>7.9994</td><td></td></tr> <tr><td>1.99999</td><td>7.9999</td><td></td></tr> <tr><td>60</td><td>3720</td><td></td></tr> </tbody> </table> <p style="text-align: center;">X=1.99999</p>  <table border="1" style="margin: auto; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">X</th> <th style="width: 15%;">Y1</th> <th style="width: 15%;"></th> </tr> </thead> <tbody> <tr><td>1</td><td>3</td><td></td></tr> <tr><td>1.9</td><td>7.41</td><td></td></tr> <tr><td>1.99</td><td>7.9401</td><td></td></tr> <tr><td>1.999</td><td>7.994</td><td></td></tr> <tr><td>1.9999</td><td>7.9994</td><td></td></tr> <tr><td>2</td><td>7.9999400001</td><td></td></tr> <tr><td>60</td><td>3720</td><td></td></tr> </tbody> </table> <p style="text-align: center;">Y1=7.9999400001</p>	X	Y1		1	3		1.9	7.41		1.99	7.9401		1.999	7.994		1.9999	7.9994		1.99999	7.9999		60	3720		X	Y1		1	3		1.9	7.41		1.99	7.9401		1.999	7.994		1.9999	7.9994		2	7.9999400001		60	3720	
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