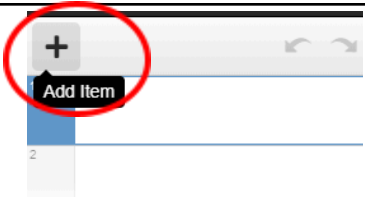
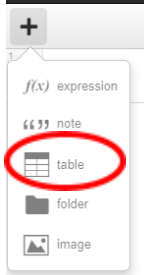





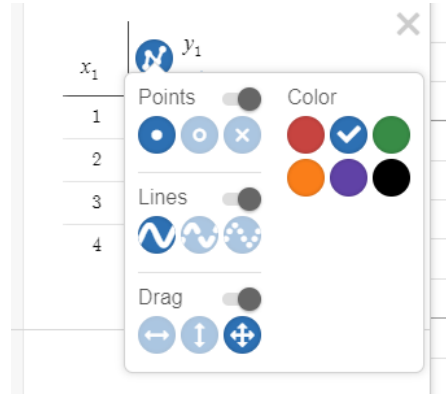
## Desmos

1. Open the <b>Add Item</b> menu.											
2. Choose <b>Table</b> .											
3. Enter values into the table using arrow keys. You can also <b>copy and paste</b> data from an existing spreadsheet.	<table border="1" data-bbox="1084 785 1295 1050"><thead><tr><th><math>x_1</math></th><th><math>y_1</math></th></tr></thead><tbody><tr><td>1</td><td>7</td></tr><tr><td>2</td><td>3</td></tr><tr><td>3</td><td>-1</td></tr><tr><td>4</td><td>-5</td></tr></tbody></table>	$x_1$	$y_1$	1	7	2	3	3	-1	4	-5
$x_1$	$y_1$										
1	7										
2	3										
3	-1										
4	-5										

## Change the Color or Style of the Graph

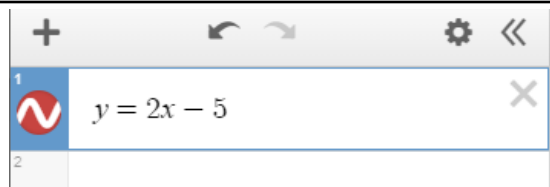
<ul style="list-style-type: none"><li>Click and hold the colored <b>icon</b> to change the appearance of the graph created by the table.</li></ul>	<table border="1" data-bbox="1019 1182 1252 1486"><thead><tr><th><math>x_1</math></th><th></th><th><math>y_1</math></th></tr></thead><tbody><tr><td>1</td><td></td><td>7</td></tr><tr><td>2</td><td></td><td>3</td></tr><tr><td>3</td><td></td><td>-1</td></tr><tr><td>4</td><td></td><td>-5</td></tr></tbody></table>	$x_1$		$y_1$	1		7	2		3	3		-1	4		-5
$x_1$		$y_1$														
1		7														
2		3														
3		-1														
4		-5														

- You can change the color and type of point, connect the points with a line, change the appearance of the line, and drag the points to change the values in the table.

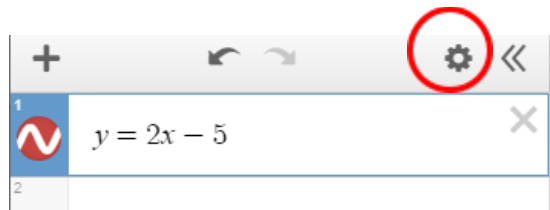


### Create a Table from an Equation Automatically

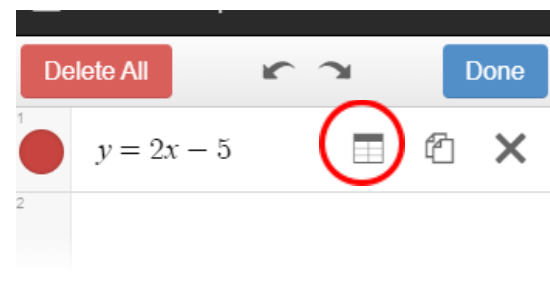
1. Type an equation in the first box.



2. Click the **Edit List** button.



3. Choose **Convert to Table**.

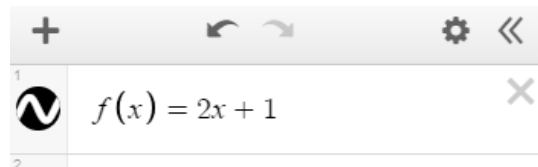


4. A new table will appear in place of the original equation.

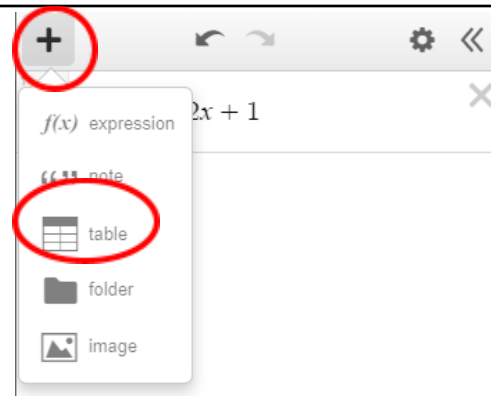
$x$	$2x - 5$
-2	-9
-1	-7
0	-5
1	-3
2	-1

### Create a Table from an Equation by Manually Inputting X-Values

1. Type an equation in the first box using function notation.



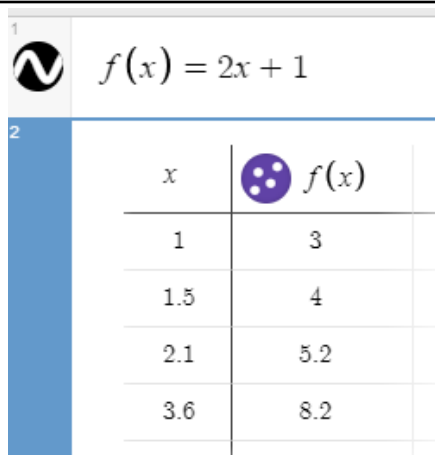
2. Go to the second box and click **add (+)** and **table**.



3. Rename the columns  $x$  and  $f(x)$  (or whichever notation you used for your equation in Step 1)

$x$	$f(x)$
-----	

4. Enter values in for  $x$  and  $y$ -values will appear. If you change the equation it will automatically change the table.

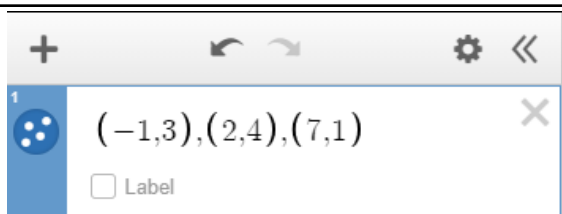


The screenshot shows a graphing calculator interface. At the top, a function is defined as  $f(x) = 2x + 1$ . Below this, a table is displayed with two columns:  $x$  and  $f(x)$ . The table contains the following data points:

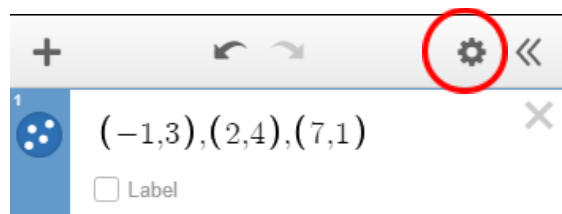
$x$	$f(x)$
1	3
1.5	4
2.1	5.2
3.6	8.2

### Create a Table from a List of Ordered Pairs

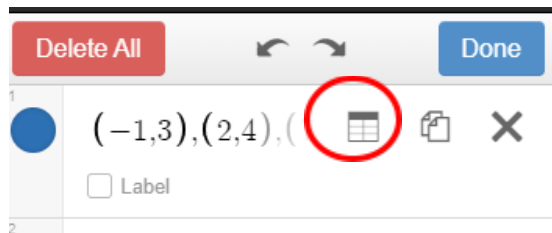
1. Enter ordered pairs in the first box, separating each point with commas.



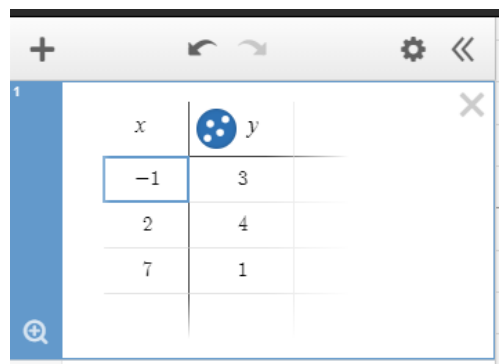
2. Click the **Edit List** button.



3. Choose **Convert to Table**.

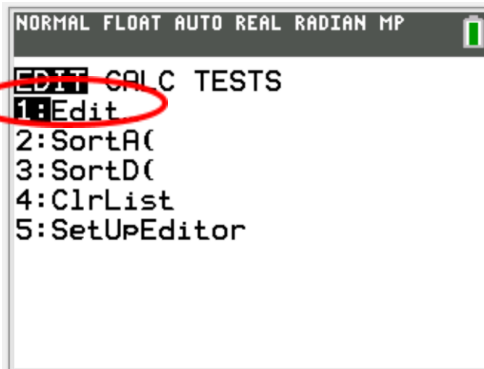


4. A new table will appear in place of the original ordered pairs.



## TI Graphing Calculator

1. Press **stat** and hit **enter** to choose **1:Edit**



2. Enter your  $x$ -values in  $L_1$  and  $y$ -values in  $L_2$ . Hit **enter** after each number to go to the next row. To move to the next column, use the **right arrow** key.

L1	L2	L3	L4	L5
1	7	---	---	---
2	8	---	---	---
3	9	---	---	---
4	10	---	---	---

### Change the Color or Style of the Graph

- Press **2<sup>nd</sup>** →  $y =$

```

STAT PLOTS
1:Plot1...Off
  L1 L2
2:Plot2...Off
  L1 L2
3:Plot3...Off
  L1 L2
4:PlotsOff
5:PlotsOn
  
```

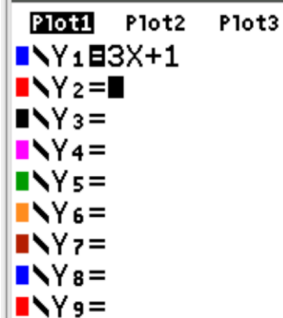
- Press **enter** to select Plot 1 and **enter** again to turn the graph On. You can change the type of point, connect the ordered pairs with a line, change the appearance of the line and change the color of the line.

```

Plot1 Plot2 Plot3
Off
Type: [ ] [ ] [ ] [ ] [ ]
Xlist:L1
Ylist:L2
Mark : [ ] + [ ] [ ]
Color: BLUE
  
```

### Create a Table from an Equation

1. Press  $y =$  and enter an equation.



2. Press **2<sup>nd</sup>** → **Graph** and a table will appear.

The image shows the TI-84 Plus 'Table' screen. At the top, it says 'NORMAL FLOAT AUTO REAL RADIAN MP' and 'PRESS + FOR ΔTb1'. Below that is a table with two columns: 'X' and 'Y1'. The table contains the following values:

X	Y1
0	1
1	4
2	7
3	10
4	13
5	16
6	19
7	22
8	25
9	28
10	31

Below the table, it says 'X=0'.