Equations, Tables & Graphs

Today's Learning Targets:

8.6 I can create a table of values from an equation and from a graph.

To make a table:

x	y
-2	
-1	
0	
1	
2	

Step 1: _____

Step 2: _____

Step 3: _____

Make a table of values for the function.

Plug in each value from the table into the equation.

$$y = 2x - 4$$

Identify the x-values.
Plug "x" in your equation.
Crunch the numbers.

x	y
-2	
-1	
0	
1	
2	

Find 5 ordered pairs for the function.

Sometimes you can make it easier by *re-arranging the equation*
to slope-intercept form first!

$$3x + y = 5$$

Identify the x-values.
Plug "x" in your equation.
Crunch the numbers.

x	y
1	
2	
3	
4	
5	

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Make a table of values for the function.

Plug in each value from the table into the equation.

$$y = 2x^2$$

Identify the x-values.
Plug "x" in your equation.
Crunch the numbers.

x	y
-2	
-1	
0	
1	
2	

Make a table of values for the function.

Plug in each value from the table into the equation.

$$y = 3 - x$$

Identify the x-values.
Plug "x" in your equation.
Crunch the numbers.

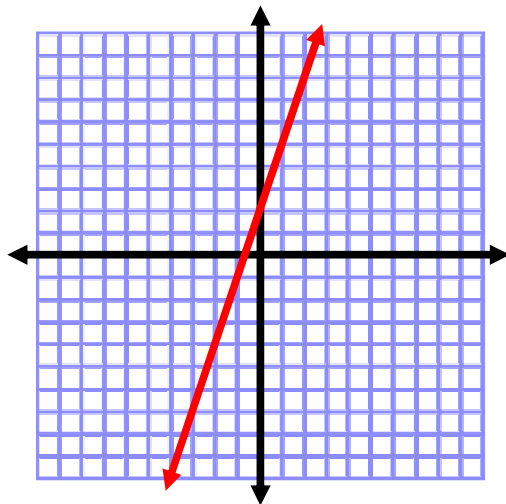| x	y
1	
2	
3	
4	
5	

Make a table of values for the function.

Plug in each value from the table into the equation.

$$y = x^2 + 1$$

Identify the x-values.
Plug "x" in your equation.
Crunch the numbers.

x	y
-2	
-1	
0	
1	
2	

Use the graph to create a table of values.

x	y
-2	
-1	
0	
1	
2	