

▶ **Completing a Table of Values**

Fill in the guided notes as you watch the video in the Digital Toolbox.

- A table of values for an equation is a set of _____ you can graph on a coordinate plane.
- The _____ between the x - and y -coordinates can be determined by completing a table of values.
- To complete a table of values using the given equation:
 - 1) _____ the values for the variable x , one at a time, into the equation.
 - 2) _____ the equation for the missing variable, y .

▶ **Example 1**

Complete the example as you watch the video in the Digital Toolbox.

Complete the table using the equation.

$$y = \frac{1}{2}x - 3$$

Implement

x	y
-2	
0	
2	

Explain

Replace the x -values one at a time to solve for y .

Complete the table.

▶ Example 2

Complete the example as you watch the video in the Digital Toolbox.

Complete the table using the equation.

$$y = -\frac{5}{3}x + 1$$

Implement

x	y
-3	
0	
3	

Explain

Replace the x -values one at a time to solve for y .

Complete the table.

 **Practice**

Complete the table of values. Show your work.

1) $y = 3x + 2$

x	y
-1	
0	
1	

2) $y = \frac{1}{4}x$

x	y
-4	
0	
4	

3) $y = -x + 3$

x	y
-1	
0	
1	

Complete the table of values. Show your work.

4) $y = \frac{2}{3}x + 2$

x	y
-3	
0	
3	

5) $y = -\frac{5}{4}x - 1$

x	y
-4	
0	
4	

6) $y = -12x - 3$

x	y
-1	
0	
1	