# **Bell Ringer**

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2. 
$$x = \frac{1}{3}$$

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= 7

2. 
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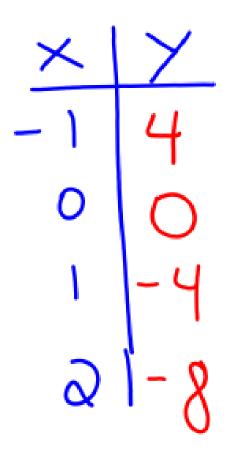
$$f(x) = -3(-4) + -5$$
  $f(x) = -3(\frac{1}{3}) + -5$ 

### Linear Function/Equation Notes

- Function/Equation with two variables, normally x and y or f(x)
- Solutions are ordered pairs (x, y) that make a true statement when inserted into the original equation.
- Infinite number of solutions.
- When graphed, the solutions form a line.

Find 4 ordered pairs that are solutions to the function/equation, then graph.

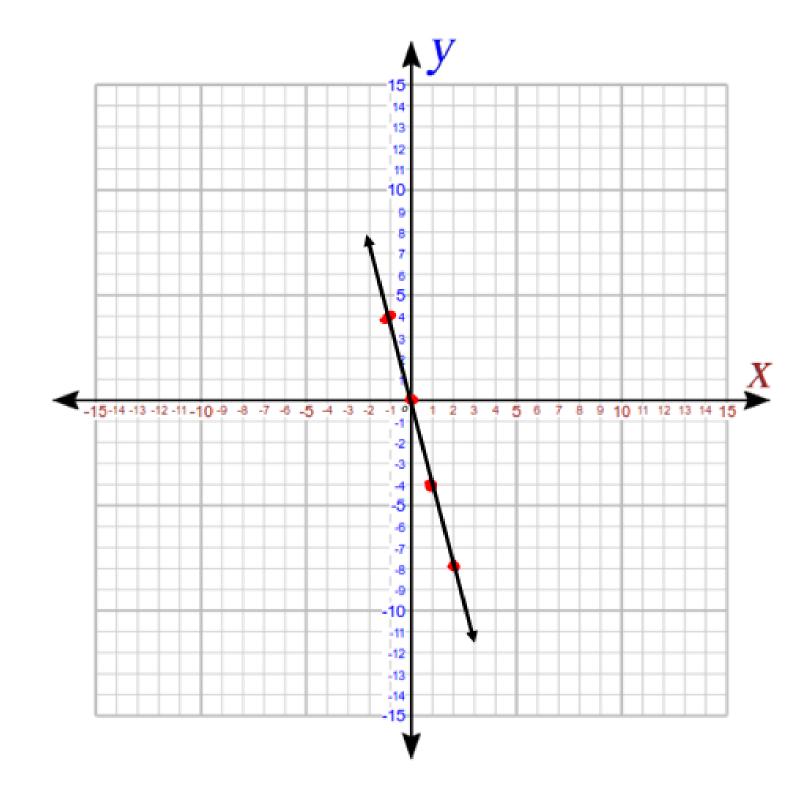
1) 
$$y = -4x$$



### Steps:

- Select 4 "x" values
- Substitute each "x" value into the equation and solve for y.
- Graph the four ordered pairs on a piece of graph paper.
- 4. Connect the points with a line.

Graph of Example 1

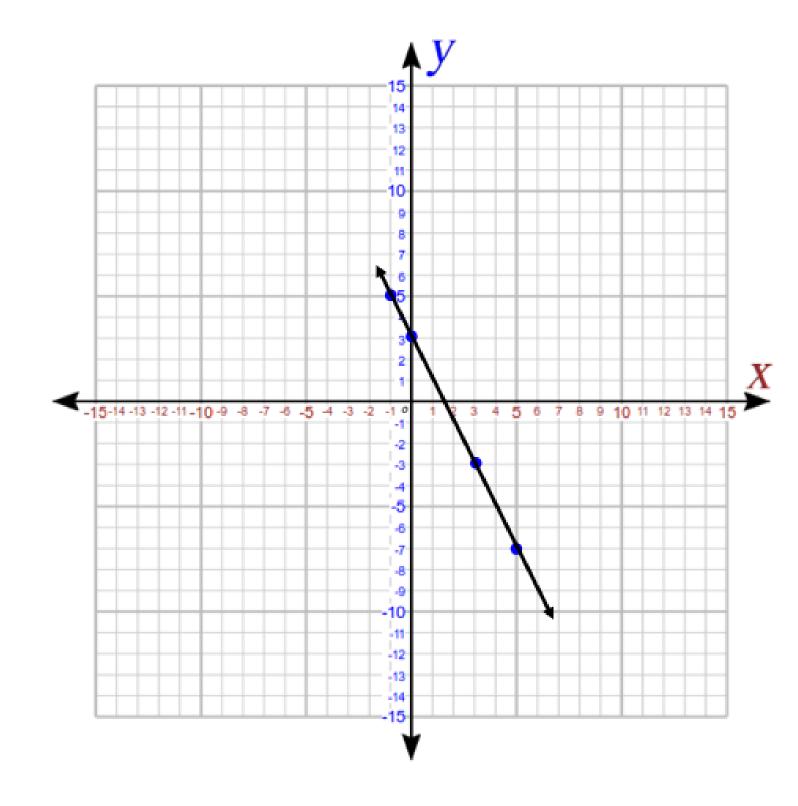


Find 4 ordered pairs that are solutions to the function/equation, then graph.

2) 
$$2x + y = 3$$

$$a(3)+y=3$$
  
 $a(3)+y=3$   
 $a(4)+y=3$   
 $a(5)+y=3$   
 $a(4)+y=3$   
 $a(4)$ 

Graph of Example 2



Find 4 ordered pairs that are solutions to the function/equation, then graph.

3) 
$$y = -x - 2$$

#### Graph of Example 3

