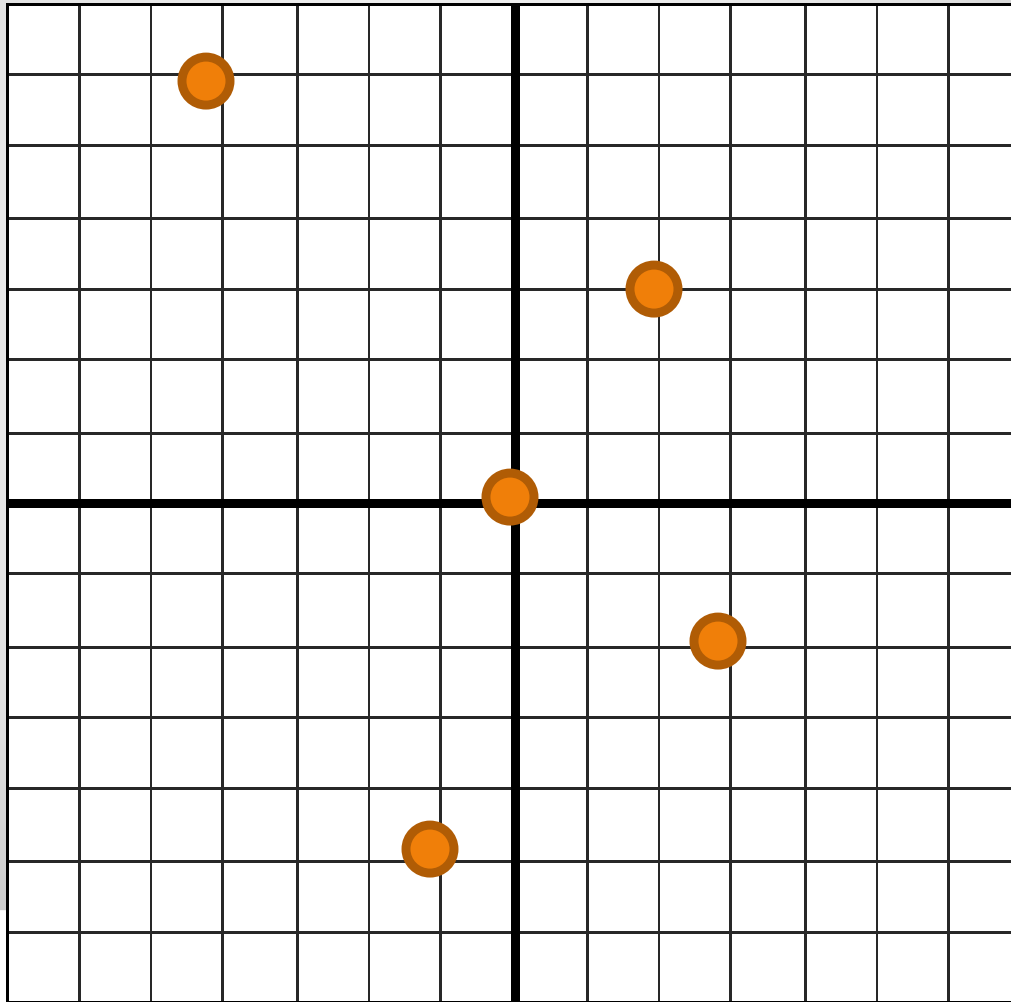


Plot the following Points:

$(0,0)$ ,  $(3,-2)$ ,  $(-4,6)$ ,  $(-1,-5)$ ,  $(2,3)$

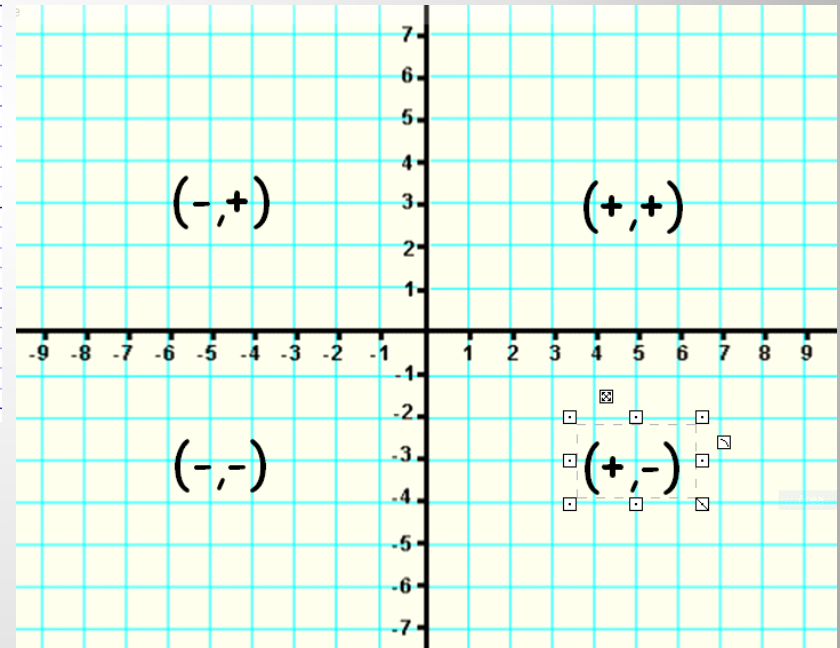
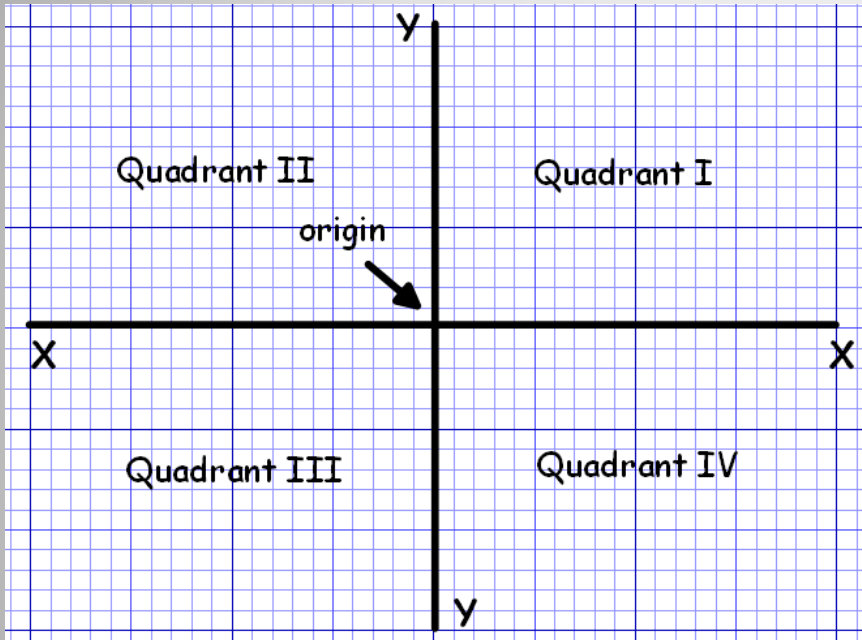
# Answer:



On your graph, label the following:

All the quadrants, x-axis and y-axis and whether the x and y values are positive in each quadrant

# Answer:

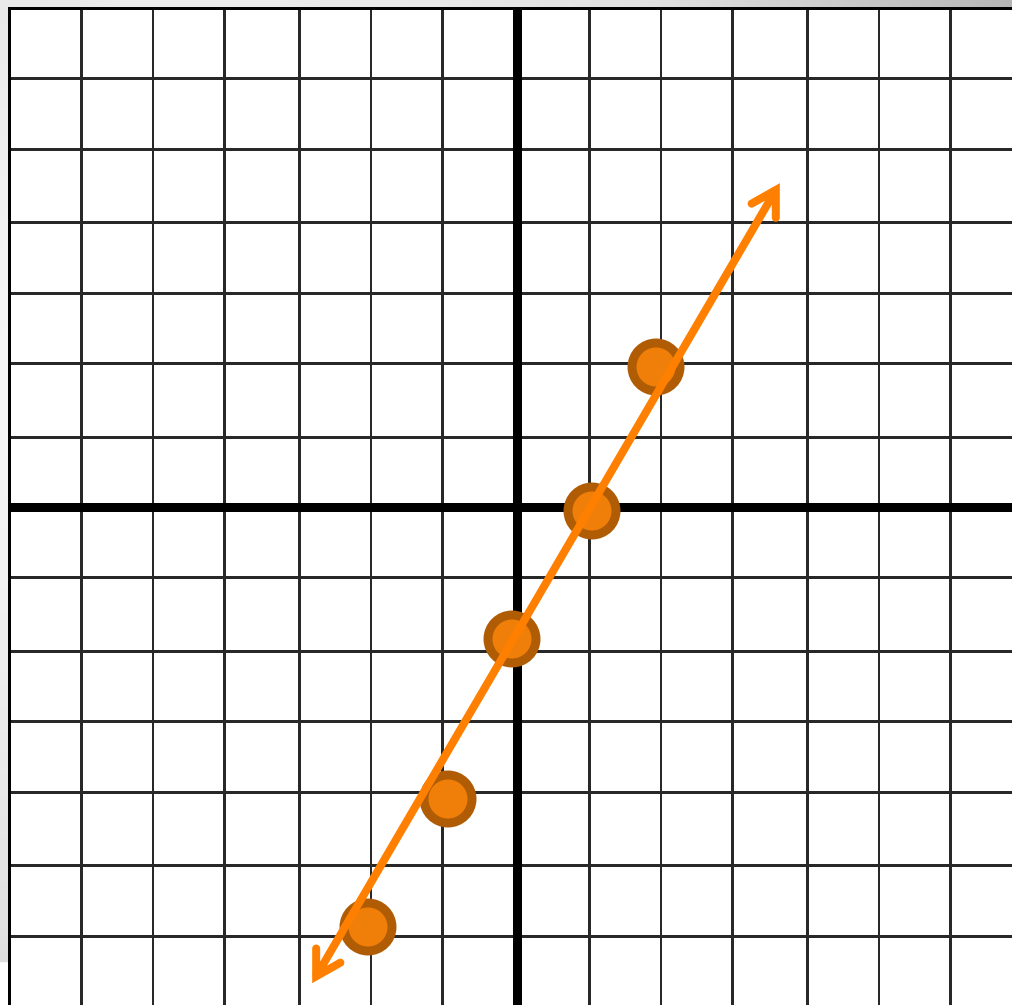


Graph the following equation using an xy table and find what y is when  $x = -2, -1, 0, 1, 2$

$$y = 2x - 2$$

# Answer:

x	y
-2	-6
-1	-4
0	-2
1	0
2	2



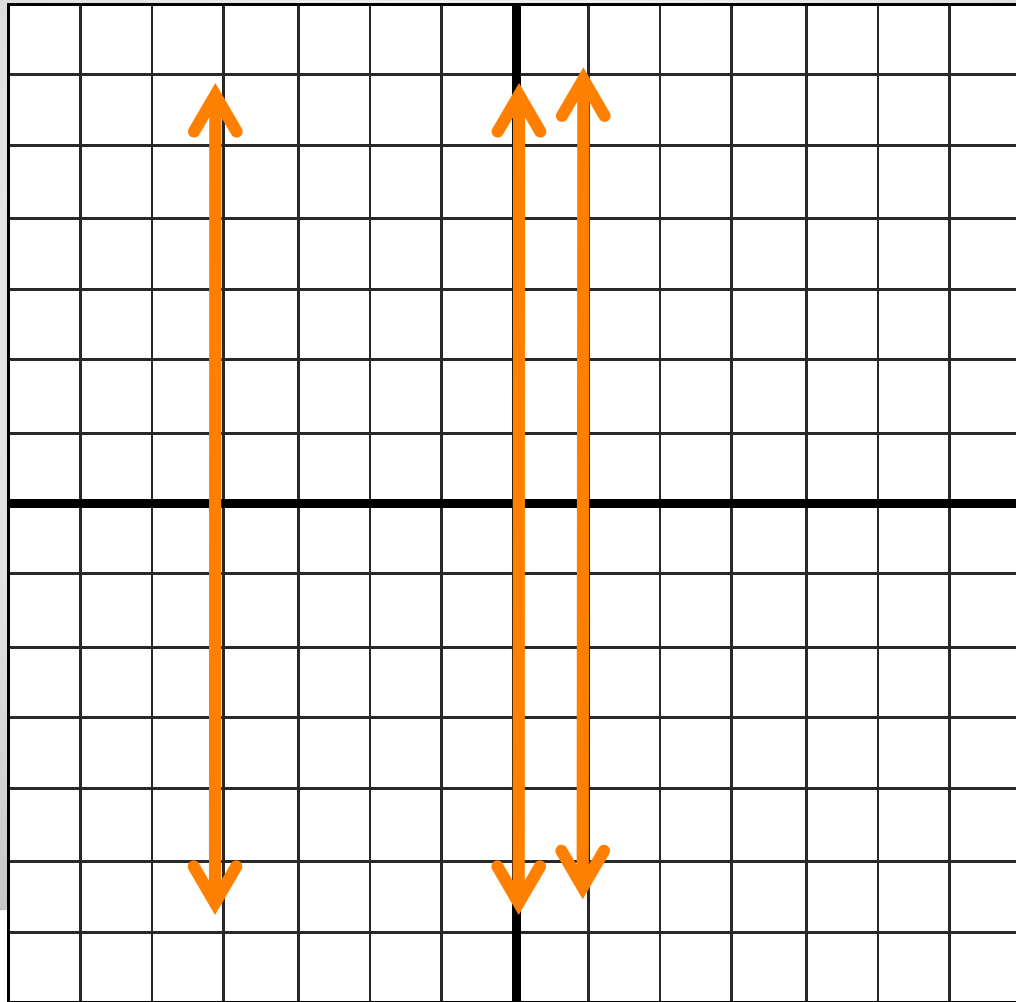
Graph the following:

$$X=1$$

$$X=0$$

$$X=-4$$

# Answer:





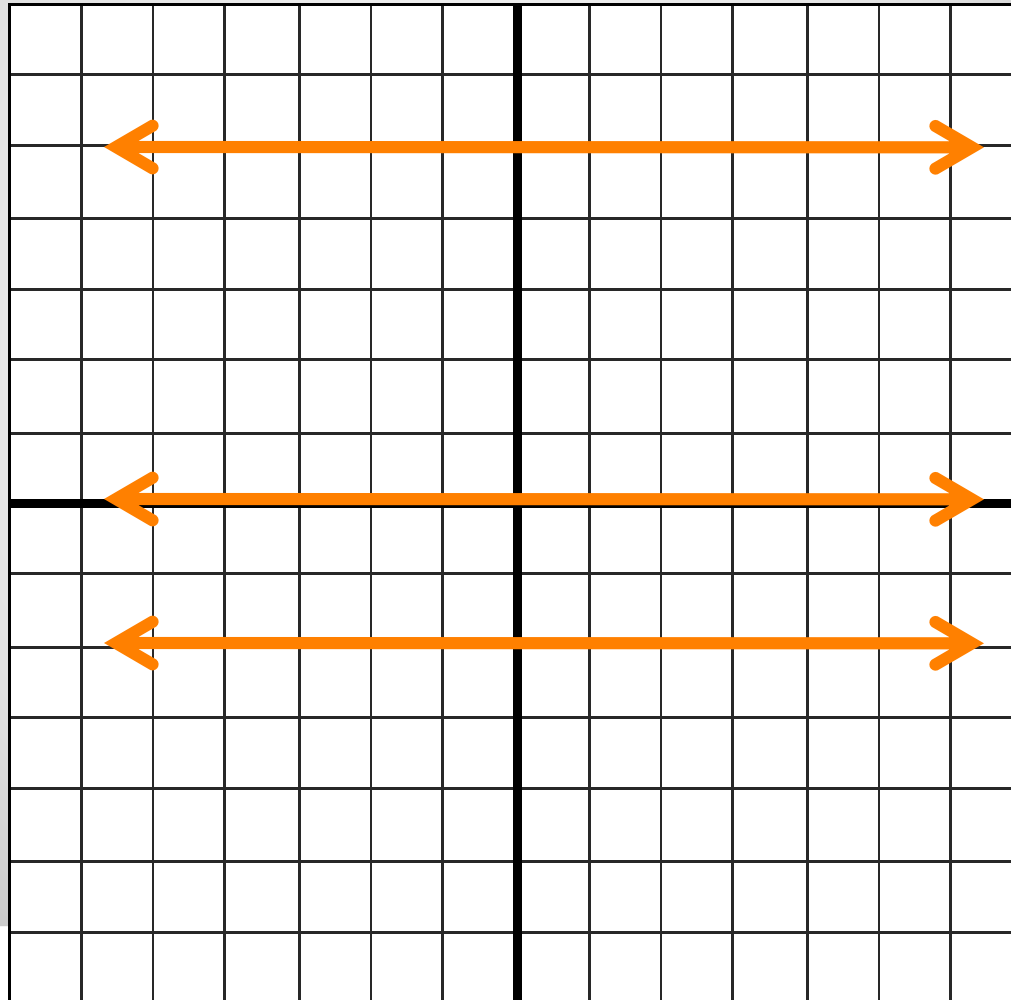
Graph the following:

$$Y = -2$$

$$Y = 0$$

$$Y = 5$$

# Answer:



Find the x and y intercepts of the equation:

$$3x - 7y = 21$$

# Answer:

x - intercept :  $(7,0)$

y - intercept :  $(0,-3)$

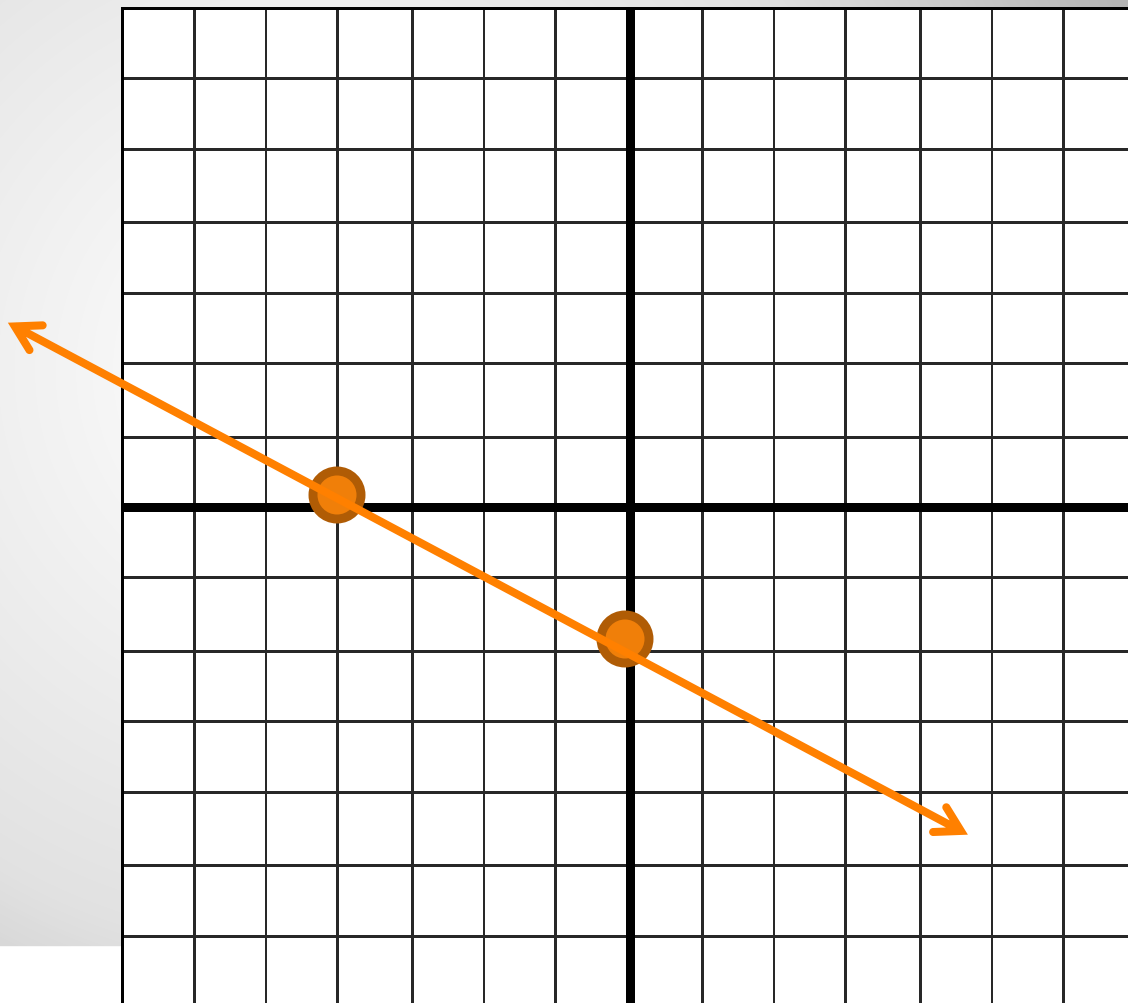
Graph the following by finding the x and y intercepts:

$$-5x - 10y = 20$$

# Answer:

x - intercept :  $(-4,0)$

y - intercept :  $(0,-2)$



What is slope-intercept form?

**Answer:**

$$y = mx + b$$



Find the slopes of the following points:

1.  $(2,3)$  and  $(-4,5)$       2.  $(12,3)$  and  $(-4,12)$

3.  $(-2,-7)$  and  $(-2,7)$

# Answer:

1.  $m = \frac{1}{-3}$

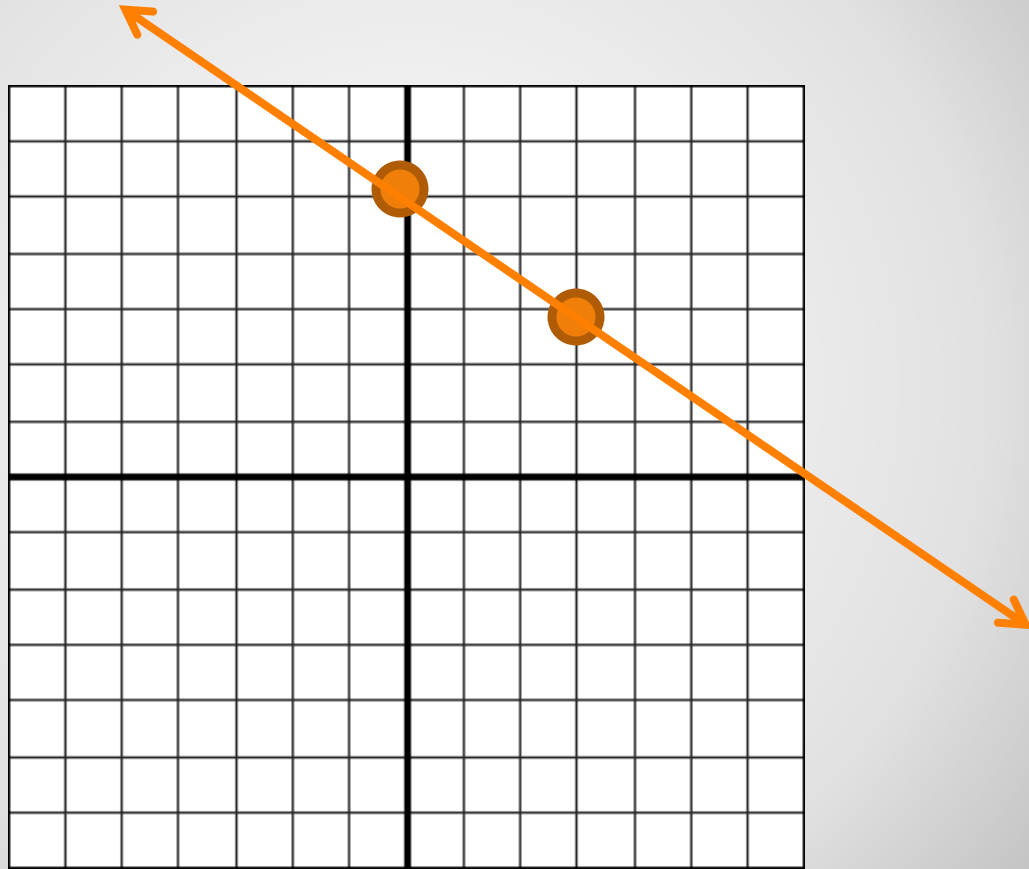
2.  $m = \frac{9}{16}$

3.  $m = \frac{-14}{0}$  undefined slope

Graph using the slope and y-intercept:

$$y = \frac{-2}{3}x + 5$$

# Answer:



Find the slopes and y-intercepts of the following:

1.  $y = -4x - 2$

2.  $y = (2/3)x + 2$

3.  $2x - 5y = 10$

4.  $-7x - 4y = -12$

# Answer:

1.  $m = -4$  y-int =  $-2$   $(0, -2)$       2.  $m = 2/3$  y-int =  $2$   $(-, 2)$

3.  $m = 2/5$  y-int =  $-2$   $(0, 2)$       4.  $m = -7/4$  y-int =  $3$   $(0, 3)$

Is the following a function? Why or Why Not?

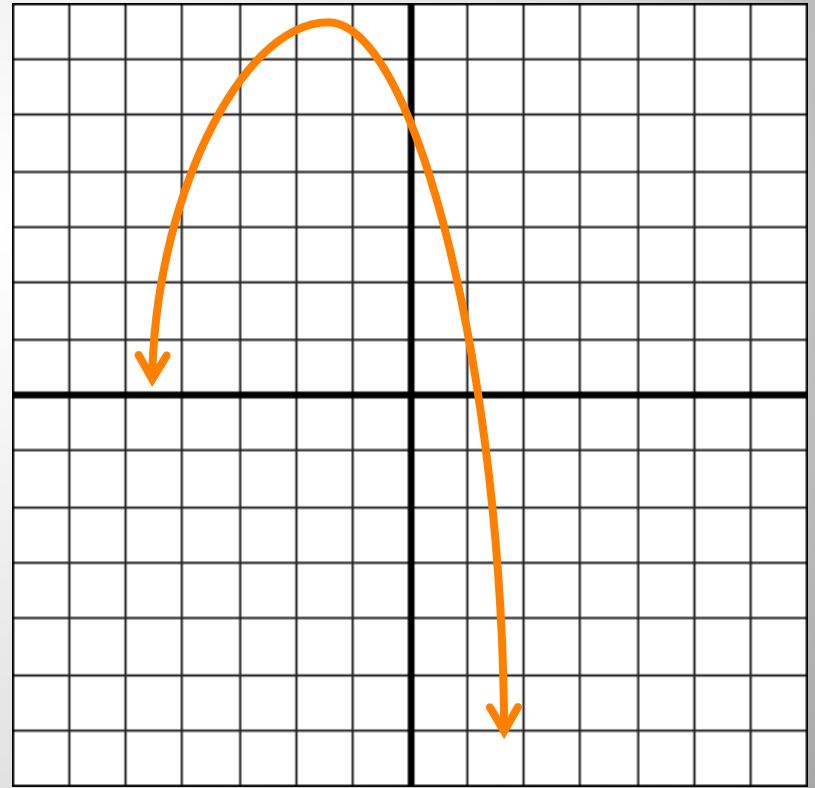
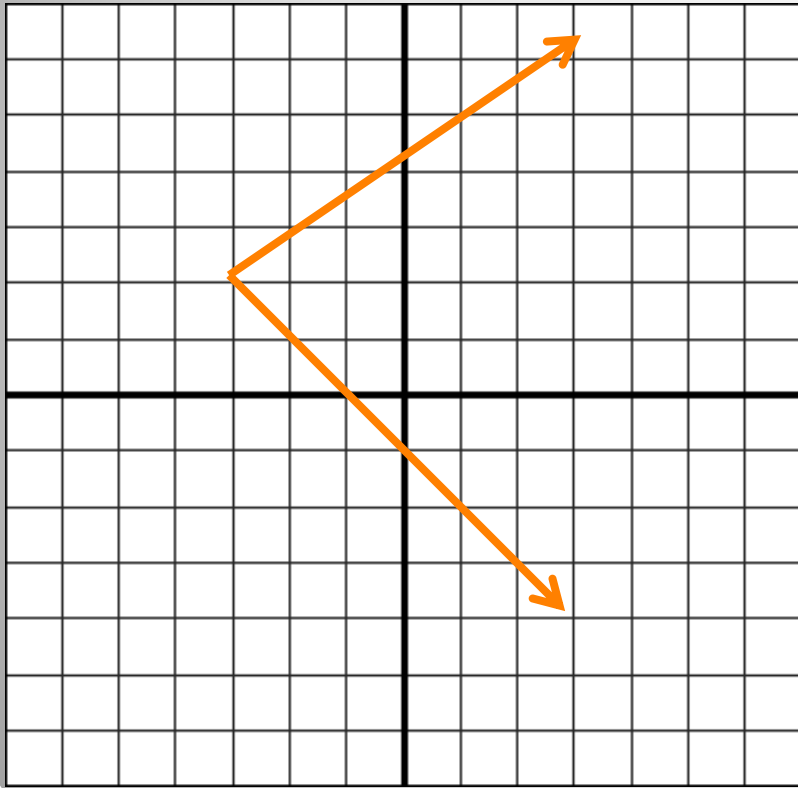
X	Y
-1	2
4	2
-1	-9
7	12
1	-10
2	5

# Answer:

No, because there is an  $x$ -value going to two different  $y$ -values



Are the following functions? Why or Why Not?



# Answer:

No, does not pass vertical line test

Yes, passes the vertical line test

Evaluate the function  $f(x) = -3x + 4$  when

1.  $f(0)$

2.  $f(2)$

3.  $f(-4)$

# Answer:

1.  $f(0) = 4$

2.  $f(2) = -2$

3.  $f(-4) = 16$

Graph the following by using any method you would like!

$$12x - 4y = 24$$

# Answer:

