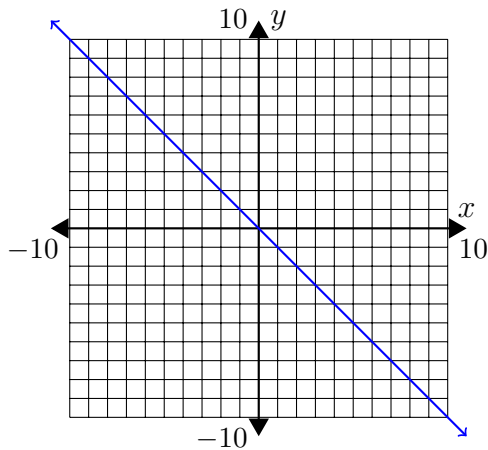


## Graphing Worksheet 10 Answers

1.  $y = -x$

$x$	$y$
-4	4
-2	2
0	0
2	-2
4	-4



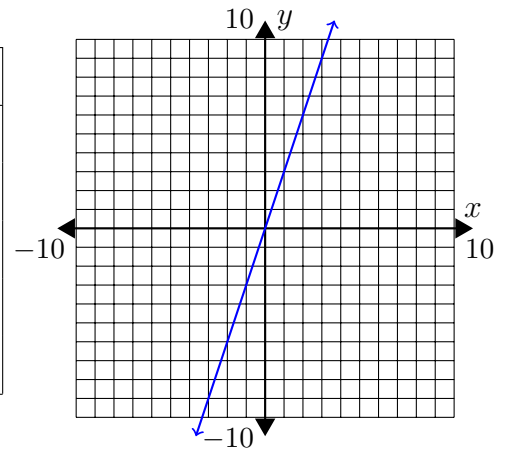
What is change between the  $y$ -values?  $-2$

What is the change between the  $x$ -values?  $2$

Write your above answers as a fraction  $\left(\frac{y}{x}\right)$ :  $-1$

2.  $y = 3x$

$x$	$y$
-6	-18
-3	-9
0	0
3	9
6	18



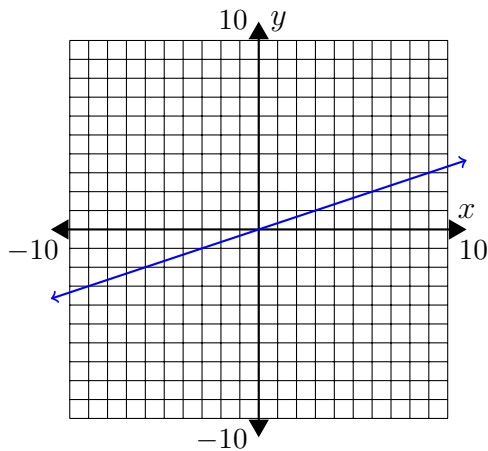
What is change between the  $y$ -values?  $9$

What is the change between the  $x$ -values?  $3$

Write your above answers as a fraction  $\left(\frac{y}{x}\right)$ :  $3$

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

$x$	$y$
-6	-2
-3	-1
0	0
3	1
6	2



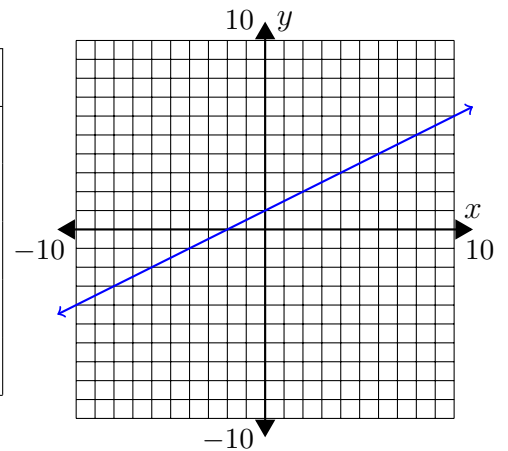
What is change between the  $y$ -values?  $1$

What is the change between the  $x$ -values?  $3$

Write your above answers as a fraction  $\left(\frac{y}{x}\right)$ :  $\frac{1}{3}$

4.  $y = \frac{1}{2}x + 1$

$x$	$y$
-4	-1
-2	0
0	1
2	2
4	3

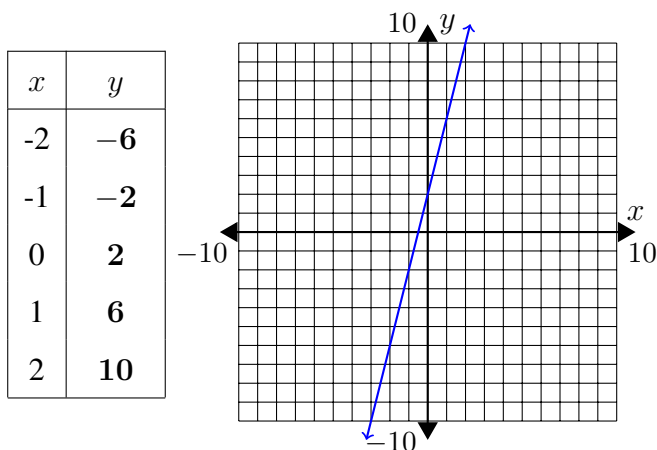


What is change between the  $y$ -values?  $1$

What is the change between the  $x$ -values?  $2$

Write your above answers as a fraction  $\left(\frac{y}{x}\right)$ :  $\frac{1}{2}$

5.  $y = 4x + 2$

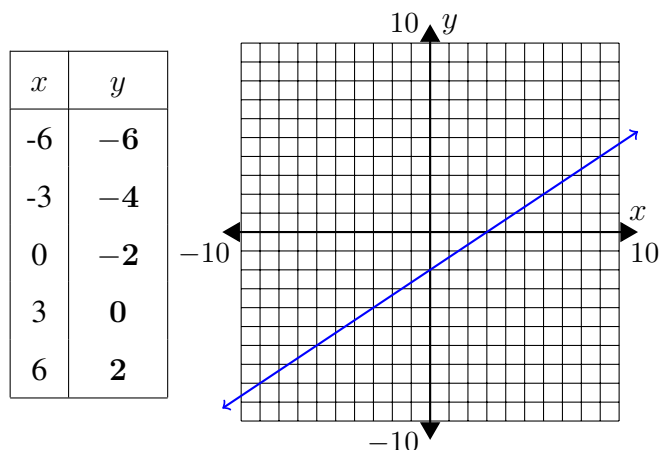


What is change between the  $y$ -values? 4

What is the change between the  $x$ -values? 1

Write your above answers as a fraction  $\left(\frac{y}{x}\right)$ : 4

6.  $y = \frac{2}{3}x - 2$



What is change between the  $y$ -values? 2

What is the change between the  $x$ -values? 3

Write your above answers as a fraction  $\left(\frac{y}{x}\right)$ :  $\frac{2}{3}$

7. Write your own sentence.

8. Write your own sentence.

9. State the direction that the graphs of each of these equations moves. (Write your answers as a  $\frac{y}{x}$  fraction.)

(a)  $y = \frac{1}{3}x + 6$

(b)  $y = 3x - 1$

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

(d)  $y = 5x - 3$

$\frac{1}{3}$

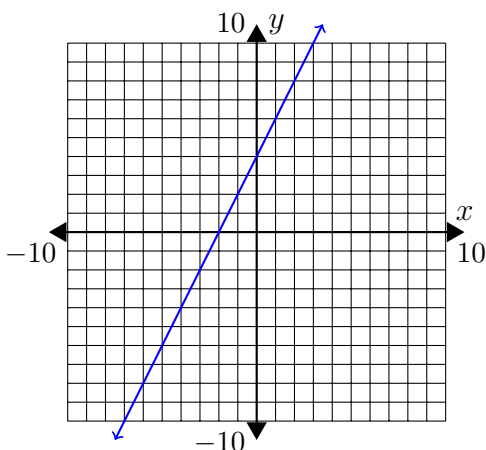
3

$-\frac{3}{4}$

5

10. Finish the equation for each graph:

(a)  $y = 2x + 4$



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

