Extended Algebra 1 Name:_____

Graphing 1 Review WS

Exercises 1-14 are multiple choice. Please circle the letter of the best answer.

1. Solve for y: $2x + y = 3$

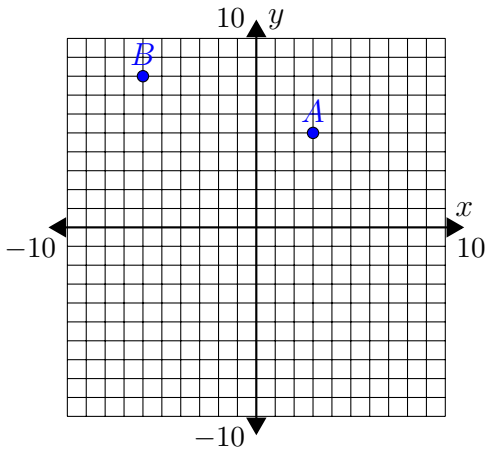
(a) $y = -2x - 3$ **(b)** $y = 2x - 3$ **(c)** $y = -2x + 3$ **(d)** $y = 2x + 3$

2. Solve for y: $3x - 4y = 10$

(a) $y = \frac{3}{4}x + \frac{5}{2}$ **(b)** $y = \frac{3}{4}x - \frac{5}{2}$ **(c)** $y = -\frac{3}{4}x + \frac{5}{2}$ **(d)** $y = -\frac{3}{4}x - \frac{5}{2}$

3. In the graph below, what are the coordinates of point A?

(a) $(3, 5)$ **(b)** $(-3, 5)$ **(c)** $(3, -5)$ **(d)** $(-3, -5)$



4. In the graph above, what are the coordinates of point B?

(a) $(-6, 8)$ **(b)** $(-6, -8)$ **(c)** $(6, 8)$ **(d)** $(6, -8)$

5. In the table below, what is the value of C?

(a) -2 **(b)** -14 **(c)** 14 **(d)** 2

$y = 3x - 8$

x	y
-2	$\boldsymbol{C}$
2	$\boldsymbol{-2}$
7	$\boldsymbol{D}$

6. In the table above, what is the value of D?

(a) 13 **(b)** 2 **(c)** -2 **(d)** 29

7. Which of the following ordered pairs does represent a point on the graph of the equation $y = \frac{5}{2}x - 3$?

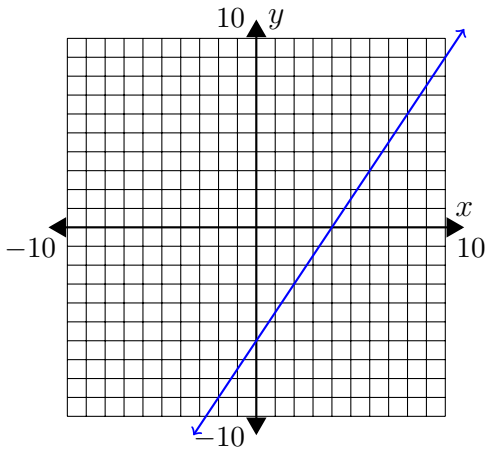
(a) $(3, 18)$ **(b)** $(5, -1)$ **(c)** $(3, 8)$ **(d)** $(4, 7)$

8. Which of the following ordered pairs does not represent a point on the graph of the equation $y = \frac{5}{2}x - 3$?

(a) $(6, 12)$ **(b)** $(4, 17)$ **(c)** $(0, -3)$ **(d)** $(-2, -8)$

9. In the graph below, what is the y-intercept?

(a) $(0, -6)$ **(b)** $(0, 6)$ **(c)** $(-6, 0)$ **(d)** $(6, 0)$



10. In the graph above, what is the slope?

(a) $-\frac{3}{2}$ **(b)** $\frac{3}{2}$ **(c)** $-\frac{2}{3}$ **(d)** $\frac{2}{3}$

11. What is the slope of the graph of $y = -3x + 2$?

(a) $\frac{1}{3}$ **(b)** -3 **(c)** 2 **(d)** $\frac{1}{2}$

12. What is the y-intercept of the graph of $y = -3x + 2$?

(a) $(0, -3)$ **(b)** $(-3, 0)$ **(c)** $(2, 0)$ **(d)** $(0, 2)$

13. What is the slope of the graph of $3x + 2y = 8$?

(a) $-\frac{3}{2}$ **(b)** $\frac{3}{2}$ **(c)** $\frac{2}{3}$ **(d)** $-\frac{2}{3}$

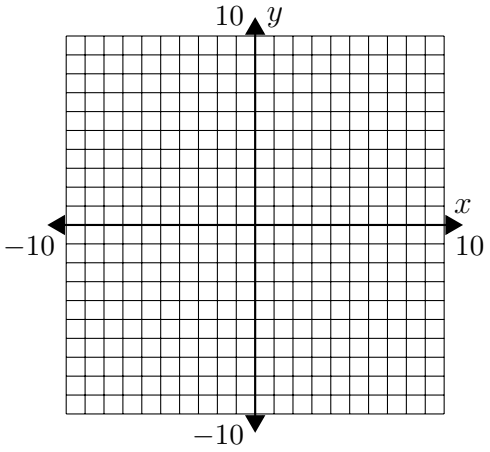
14. What is the y-intercept of the graph of $3x + 2y = 8$?

(a) $(0, 6)$ **(b)** $(6, 0)$ **(c)** $(0, 4)$ **(d)** $(4, 0)$

15. Complete the table and graph the points in the given coordinate plane. Then graph the line.

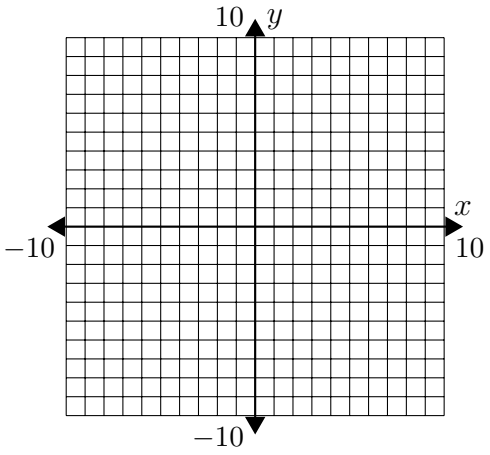
(a) $y = -2x + 4$

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



(b) $y = \frac{2}{3}x - 5$

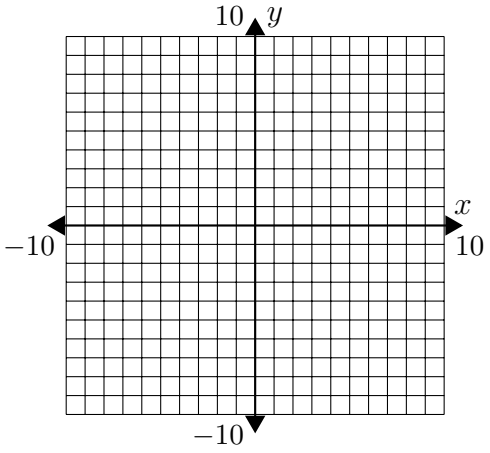
x	y
-9	
-6	
-3	
0	
3	
6	
9	



16. Complete the table and graph the points in the given coordinate plane. Then graph the line.

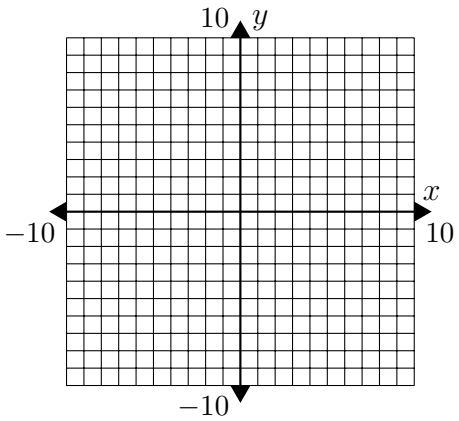
$$y = -\frac{3}{4}x + 2$$

x	y

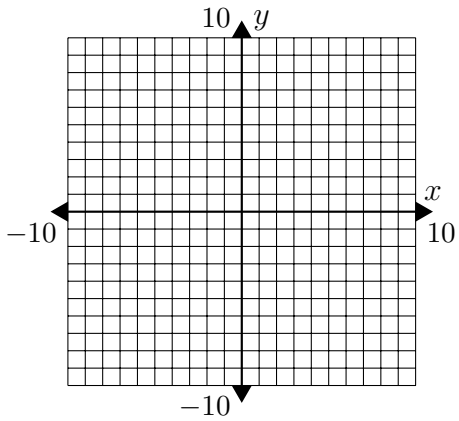


17. Use the slope and y-intercept to graph each line without making a table.

(a) $y = \frac{3}{5}x - 1$

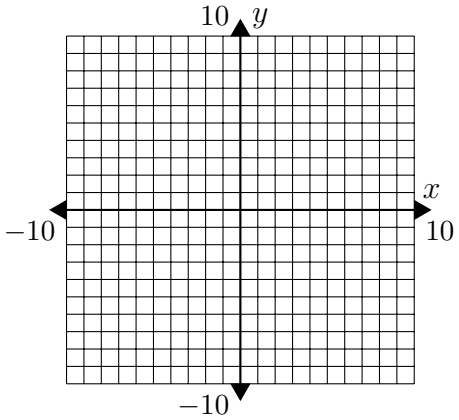


(b) $y = -\frac{5}{3}x + 1$

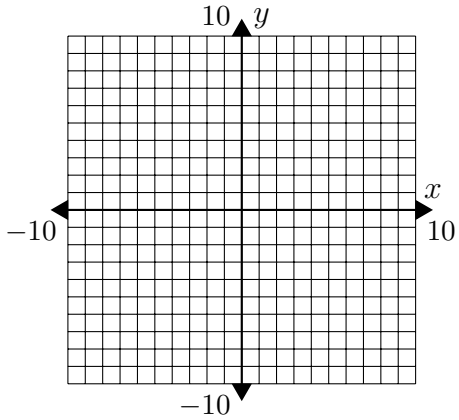


18. Graph each line.

(a) $x = 5$

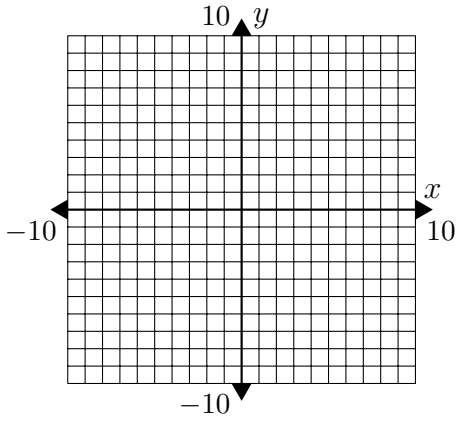


(b) $y = -9$

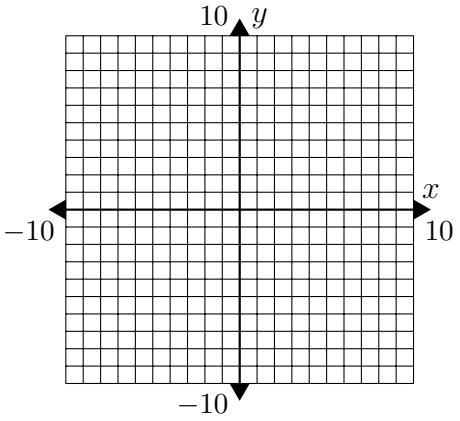


19. Write each equation in slope-intercept form. Then graph the equation.

(a) $2x - y = 3$



(b) $1x + 3y = 6$



(c) $2x - 6y = -18$