For problems 1-4, find the slope of the line shown.

1. A. $\frac{2}{5}$

 B. $\frac{5}{2}$

C.$ -\frac{2}{5}$

1. $-\frac{5}{2}$



2. A. $\frac{3}{2}$

 B. $\frac{2}{3}$

 C. $-\frac{2}{3}$

 D. $-\frac{3}{2}$



3. A. $\frac{1}{5}$

 B. $-\frac{1}{5}$

 C. 5

 D. -5



4. A. -1

 B. 1

 C. 0

 D. undefined

For questions 5-8, state the slope and y intercept of the line.

5. $y=\frac{1}{2}x-6$

A. slope = -6, y intercept = $\frac{1}{2}$

B. slope = $\frac{1}{2}$ , y intercept = 6

C. slope = 6, y intercept = $\frac{1}{2}$

D. slope = $\frac{1}{2}$, y intercept = -6

6. $y=-3x+5$

 A. slope = 3, y intercept = 5

 B. slope = -3, y intercept = -5

 C. slope = 5, y intercept = -3

 D. slope = -3, y intercept = 5

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

 A. slope = 0, y intercept = $-\frac{2}{3}$

 B. slope = $-\frac{2}{3}$ , y intercept = 0

 C. slope = undefined, y intercept 0

 D. slope = $\frac{2}{3}$ , y intercept = 0

8. $y=5-3x$

 A. slope = -3, y intercept = 5

 B. slope = 5, y intercept = 3

 C. slope = 5, y intercept = -3

 D. slope = 3, y intercept = 5

For questions 9-12, write the equation given the slope and y intercept.

9. slope = 5, y intercept = -6

 A. $y=-6x+5$

 B. $y=5x-6$

 C. $y=5x+6$

 D. $y=-6x-5$

10. slope = $-\frac{3}{4}$ , y intercept = $-4 $

 A. $y=-\frac{3}{4}x-4$

 B. $y=-4x-\frac{3}{4}$

 C. $y=\frac{3}{4}x-4$

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

11. slope = -7, y intercept = 0

 A. $y=-7$

 B. $y=-7x$

 C. $y=7x$

 D. $y=7$

12. slope = undefined, no y intercept

 A. $y=6x$

 B. $x=8$

 C. $y=2x$

 D. $y=3$

For questions 13-16, state the equation for the graph shown.

13.

1. $y=3x+1$
2. $y=-3x-1$
3. $y=3x-1$
4. $y=-3x+1$



14.

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

15.

1. $y=\frac{7}{3}x-3$
2. $y=-\frac{7}{3}x-3$
3. $y=\frac{7}{3}x+3$
4. $y=-\frac{7}{3}x+3$



16.

1. $y=\frac{3}{5}x-1$
2. $y=-\frac{3}{5}x-1$
3. $y=\frac{5}{3}x-1$
4. $y=-\frac{5}{3}x-1$

17. What is the slope of a line containing the points

(3, 4) and (-2, 1)? (you may use the coordinate plane below to help you)

1. $\frac{3}{5}$
2. $\frac{5}{3}$
3. $-\frac{3}{5}$
4. $-\frac{5}{3}$

18. What is the slope of a VERTICAL line?

 A. 1 B. -1 C. 0 D. undefined

19. What is the slope of a HORIZONTAL line?

 A. 1 B. -1 C. 0 D. undefined

20. Which graph below depicts $y=3x-2$ ?



A. B.



C. D.

Write an equation containing the following 2 points:

21. (5,1) (8,-2)

A. $y= -x+6$

B. $y= x+ -6$

C. $y=6x+1$

D. $y= -6x+1$

22. (6,0) (0,4)

A. $y=\frac{2}{3}x+2$

B. $y=\frac{3}{2x}+ 1$

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

D. $y= -2/3x$

Which graph depicts the equation.

23. $3x+2y=6$

A. B.



C. D.