

Answer the following questions dealing with equations and graphs of straight lines.

1. Which of the following equations passes through the points (2,1) and (5,-2)?

Choose:

- $y = \frac{3}{7}x + 5$
- $y = -x + 3$
- $y = -x + 2$
- $y = -\frac{1}{3}x + 3$



Explanation

2. Does the graph of the straight line with slope of -2 and y-intercept of -3 pass through the point (5,-13)?

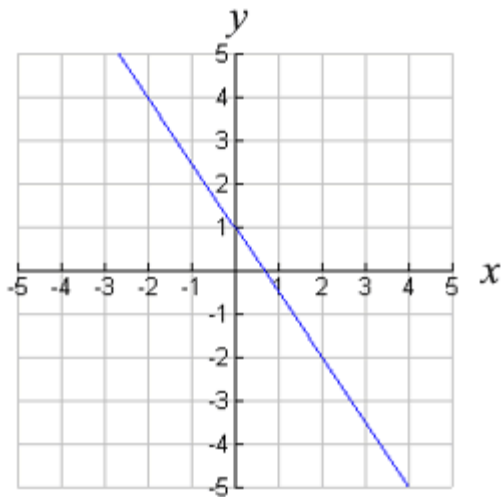
Choose:

- Yes
- No



Explanation

3.



The slope of this line is $\frac{3}{2}$.

Choose:

- True
- False

Explanation

4.

What is the slope of the line $3x + 2y = 12$?

Choose:

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



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

Explanation

5. Which is the correct slope of the line through (-2,3) and (4,-5)?

Choose:



- $-\frac{4}{3}$ $-\frac{3}{4}$
 $\frac{4}{3}$ $-\frac{1}{3}$
-

Explanation

6.

x	1	3	5	7
y	2	5	8	11

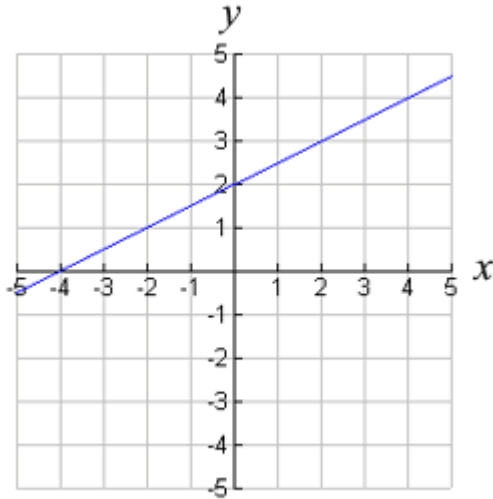
Choose:

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

What is the slope of the line shown in the chart above?

Explanation

7.



The slope of this line is $1/2$.

Choose:

- True
 False

Explanation

8.

Does the line $2y + x = 7$ pass through the point $(1,3)$?

Choose:

- Yes
 No



Explanation

9. Which is the equation of a line whose slope is undefined?



Choose:

- $x = -5$
 $y = 7$
 $x = y$
 $x + y = 0$

Explanation

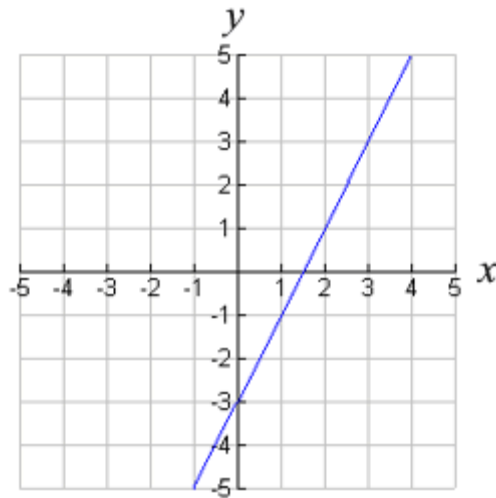
10. Which is the equation of a line that passes through the point (2,5) and has a slope of -3? **Choose:**



- $y = -3x - 3$
 $y = -3x + 17$
 $y = -3x + 11$
 $y = -3x + 5$

Explanation

11.



What is the equation of this line?

Choose:

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

Explanation

12.

Which of these equations represents a line parallel to the line $2x + y = 6$?

Choose:

- $y = 2x + 3$
- $y - 2x = 4$
- $2x - y = 8$
- $y = -2x + 1$



Explanation

13. What is an equation for the line that passes through the coordinates (2,0) and (0,3)?

Choose:

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

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

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

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



Explanation