

Finding Slopes and y-intercepts

NAME _____

DATE _____

Analyze the equation.

$$y = 3x + 7$$

What is the y-intercept of this equation?

- A -7
- B -3
- C 3
- D 7

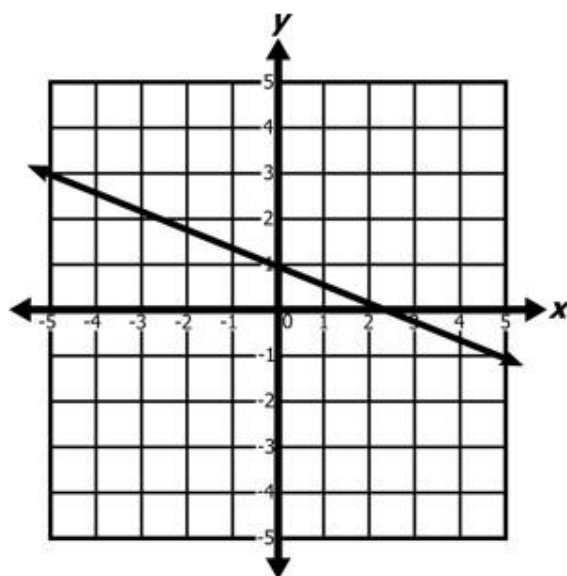
What is the equation of a line with a slope 4 and passing through the point (5,6)?

- A $y = 4x - 26$
- B $y = -4x - 14$
- C $y = 4x - 14$
- D $y = 4x + 26$

x	y
0	-3
1	-2.5
2	-2
3	-1.5

Which linear equation has a graph that includes all the points in the table?

- A $y = \frac{1}{2}x - 3$
- B $y = 3x + 0.5$
- C $y = -\frac{1}{2}x - 3$
- D $y = 3x - 0.5$



Which is the equation for Rebecca's line?

- A $y = -\frac{2}{5}x + 1$
- B $y = -\frac{5}{2}x + 1$
- C $y = \frac{2}{5}x - 1$
- D $y = \frac{5}{2}x + 1$

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x	y
0	5
1	-3
2	-11
3	-19

Which equation models the relation between x and y ?

- A $y = -8x + 5$
- B $x = -8y + 5$
- C $4y = -5x + 5$
- D $5y = -3x + 5$

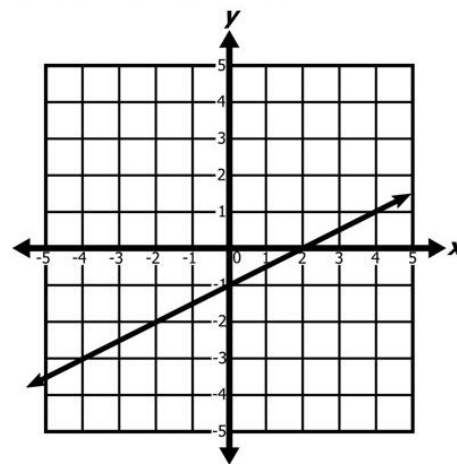
What is the rate of change of the function with a graph passing through the points $(-1,7)$ and $(3,19)$?

- A $\frac{1}{13}$
- B $\frac{1}{3}$
- C 3
- D 13

x	y
-1	5
0	1
2	-7
4	-15

Which equation is represented by this table?

- A $y = -x + 4$
- B $y = 2x + 17$
- C $y = -4x + 1$
- D $y = 3x + 11$



What is the y-intercept of the line?

- A -2
- B -1
- C 1
- D 2