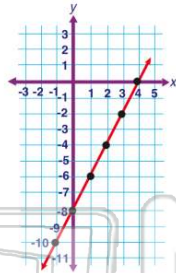




Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 The graph shown represents which **linear equation**?



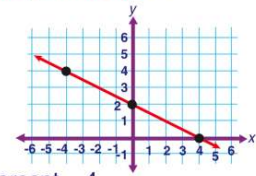
- A  $y = x - 8$
- B  $y = 2x + 9$
- C  $y = 2x - 8$
- D  $y = 3x - 8$

3 The slopes of **parallel lines** are negative reciprocals of each other.

True or false?

- A true
- B false

2 What is the **slope and y-intercept** of the line shown?



- A slope = -2, y-intercept = 2
- B slope = -2, y-intercept = 4
- C slope =  $-\frac{1}{2}$ , y-intercept = 4
- D slope =  $-\frac{1}{2}$ , y-intercept = 2

4 What is the equation of a line that goes through the point **(-2, 1)** and has a slope of **3** in **point-slope form**?

- A  $y + 1 = 3x - 2$
- B  $y + 1 = 3x + 2$
- C  $y - 1 = 3x + 6$

5



## PREVIEW

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- A  $y + 2 = \frac{2}{3}x + 4$
- B  $y - 2 = \frac{2}{3}x + 6$
- D  $y - 2 = \frac{2}{3}x - 6$
- C  $y + 2 = \frac{2}{3}x - 4$

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

9 What is the equation of a line that goes through the **origin** and is parallel to the line  $y = x - 3$  in **point-slope form**?

- A  $y = x - 1$
- B  $y = 3x$
- C  $y = x + 1$
- D  $y = x$

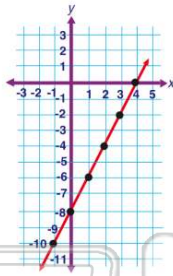
10 What is the equation of a line that goes through the point **(-5, -3)** and is **parallel** to the **x-axis**?

- A  $y = -5$
- B  $y = -3$
- C  $x = -5$
- D  $x = -3$



## ANSWER KEY

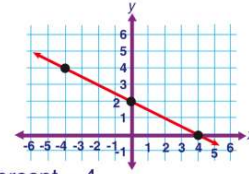
The graph shown represents which **linear equation**?



- A**  $y = x - 8$
- B**  $y = 2x + 9$
- C**  $y = 2x - 8$
- D**  $y = 3x - 8$

(c)

What is the **slope and y-intercept** of the line shown?



- A** slope = -2, y-intercept = 2
- B** slope = -2, y-intercept = 4
- C** slope =  $-\frac{1}{2}$ , y-intercept = 4
- D** slope =  $-\frac{1}{2}$ , y-intercept = 2

(d)

The slopes of **parallel lines** are negative reciprocals of each other.

**True or false?**

- A** true
- B** false

(b)

What is the equation of a line that goes through the point **(-2, 1)** and has a slope of **3** in **point-slope form**?

- A**  $y + 1 = 3x - 2$
- B**  $y + 1 = 3x + 2$
- C**  $y - 1 = 3x + 6$
- D**  $y - 1 = 3x + 2$

(c)



## PREVIEW

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**A**  $y + 2 = \frac{2}{3}x + 4$     **D**  $y - 2 = \frac{2}{3}x - 6$

**A**  $y + 1 = \frac{2}{3}x - 1$     **C**  $y + 1 = 3x - 1$

**B**  $y - 2 = \frac{2}{3}x + 6$     **C**  $y + 2 = \frac{2}{3}x - 4$

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

What is the equation of a line that goes through the **origin** and is parallel to the line  $y = x - 3$  in **point-slope form**?

- A**  $y = x - 1$
- B**  $y = 3x$
- C**  $y = x + 1$
- D**  $y = x$

(d)

What is the equation of a line that goes through the point **(-5, -3)** and is **parallel** to the **x-axis**?

- A**  $y = -5$
- B**  $y = -3$
- C**  $x = -5$
- D**  $x = -3$

(b)