



Name _____ Class _____ Date _____

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

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

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

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

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**?

PREVIEW

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7 through the point **(6, -2)** and has a slope of $\frac{2}{3}$ in **point-slope form**?

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

through the point **(-3, -1)** and is parallel to the line $y = -\frac{1}{3}x + 5$ in **point-slope form**?

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



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