Slope

Math

Name _____ Class _____ Date _____

1 What is the **equation** of a line with a **slope of 5** and a **y-intercept of -2**? Circle the answer letter.
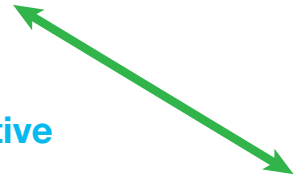
   a. y = -2x + 5

   b. y = -5x + 2

   c. y = 5x - 2

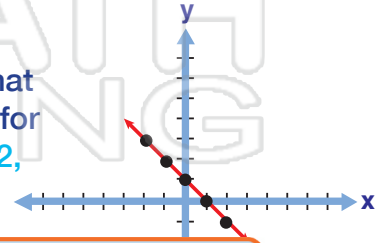**2** What is the **equation** of a line that has a **slope of -7** and crosses the **y-axis** at the point (0, 5)?

   a. y = 5x - 7

3

4

   7   2   -2   -7

5 What are the **coordinates** included on the line, y = 4x, when x is 0, 1, 2, 3?

   a. (0, 4), (1, 5), (2, 6), (3, 7)

   b. (0, 0), (1, 2), (2, 4), (3, 6)

   c. (0, 0), (4, 1), (8, 2), (12, 3)

   d. (0, 0), (1, 4), (2, 8), (3, 12)

6 What is the **slope** of the line shown?

   positive   negative

   zero   undefined

7 According to the graph shown, what are the **y-values** for the **x-values** of -2, -1, and 0?

0.

10 What are the **coordinates** included on the line, y = 2x − 3, when x is 2, 4, 6? Write them.

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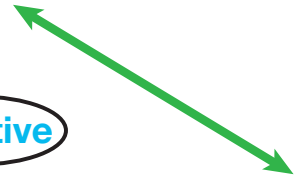
  a. $y = -2x + 5$

  b. $y = -5x + 2$

  (c.) $y = 5x - 2$

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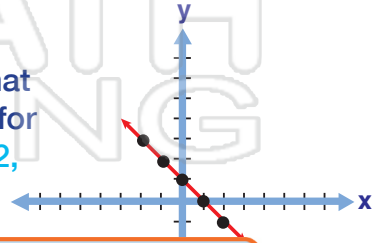
  a. $y = 5x - 7$

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  7   2   (-2)   -7

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  positive   (negative)

  zero   undefined

7 According to the graph shown, what are the **y-values** for the **x-values** of -2, -1, and 0?

10 What are the **coordinates** included on the line, $y = 2x - 3$, when x is 2, 4, 6? Write them.

  (2, 1), (4, 5), (6, 9)

$2y = -8x + 10$

$y = -4x + 5$

slope is -4