

Unit 3 - Day 24 Homework

Name: _____

1. A line with an undefined slope is (choose one): Horizontal or **Vertical?**
2. Find the value of y so that the line passing through the given points has the given slope.



$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

$$\frac{-5}{7} = \frac{2 - y}{3 - (-4)}$$

$$\frac{-5}{7} = \frac{2 - y}{7}$$

$$-35 = 7(2 - y)$$

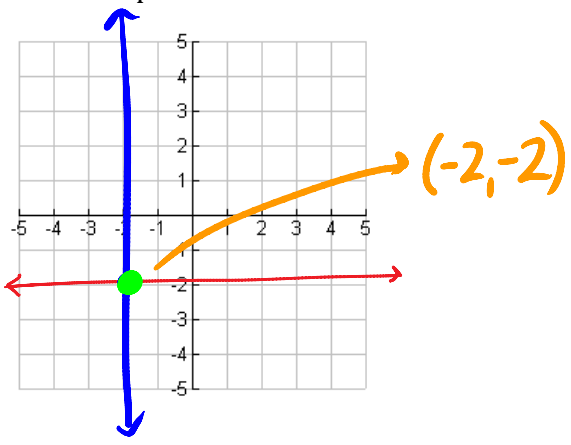
$$-35 = 14 - 7y$$

$$-49 = -7y$$

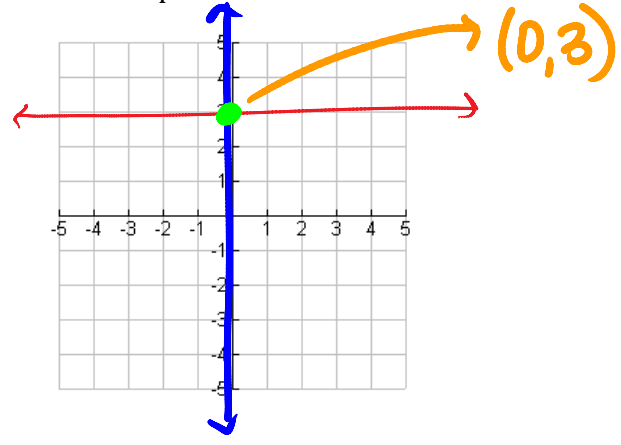
$$\frac{-49}{-7} = \frac{-7y}{-7}$$

$$y = 7$$

3. Graph $y = -2$ and $x = -2$ and list the intersection point.



4. Graph $y = 3$ and $x = 0$ and list the intersection point.



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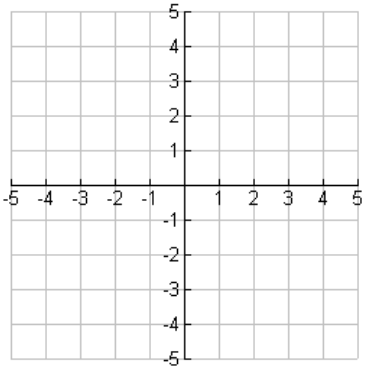
Name: _____

1. A line with an undefined slope is (choose one): Horizontal or Vertical?
2. Find the value of y so that the line passing through the given points has the given slope.



$$(-4, y) \text{ and } (3, 2); m = \frac{-5}{9}$$

3. Graph $y = -2$ and $x = -2$ and list the intersection point.



4. Graph $y = 3$ and $x = 0$ and list the intersection point.

