

Warmup:

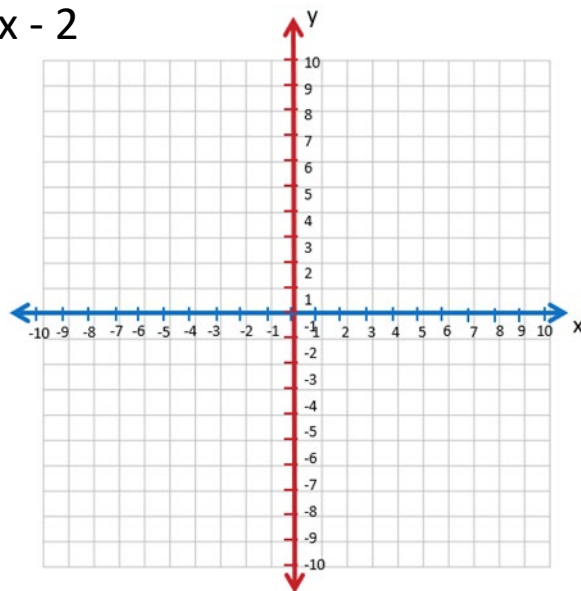
1. The Slope-intercept form of a linear equation is _____
m is the _____ b is the _____

2. The slope is the _____ of the x term.

3. Slope is defined as the _____

5. $\frac{p}{3} + 7 = 22$

4. $Y = -\frac{1}{4}x - 2$



I. Writing Equations in Slope-Intercept Form

Slope-Intercept Form: $y = mx + b$

$$Y + 5 = 3x$$

$$6y = 4x$$

6. $y - \frac{3}{7}x = -8$

7. $Y + 9 = \frac{8}{10}x$

II. Interpreting a Linear Equation

1. Write the equation in Slope-Intercept Form: $y = mx + b$
2. Determine the slope and y-intercept

$$5y - 7 = 3x$$

$$8y = 3x$$

- 8.** Give the slope of the linear equation.

$$10y = -7x + -30$$

9. $y + 4 = \frac{8}{3}x$

Y-intercept: _____

Ordered pair: (_____ , _____)

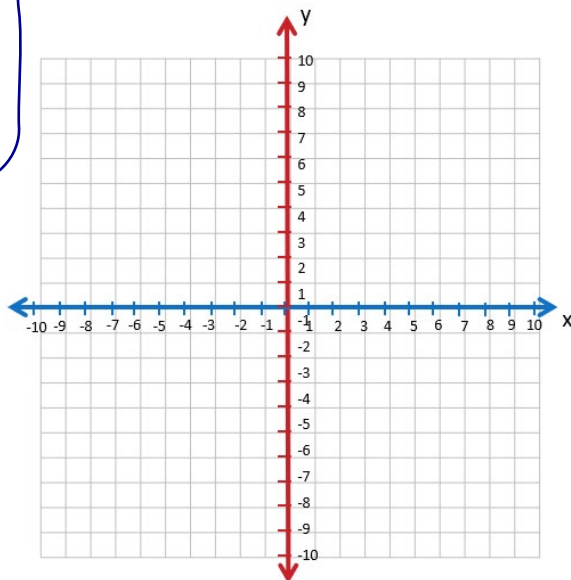
The slope is: _____

III. Graphing Linear Equations

1. Write the equation in Slope-Intercept Form: $y = mx + b$
2. Determine the slope and y-intercept
3. Graph the equation using the y-intercept and slope

Graph

$$3y - 9 = 2x$$

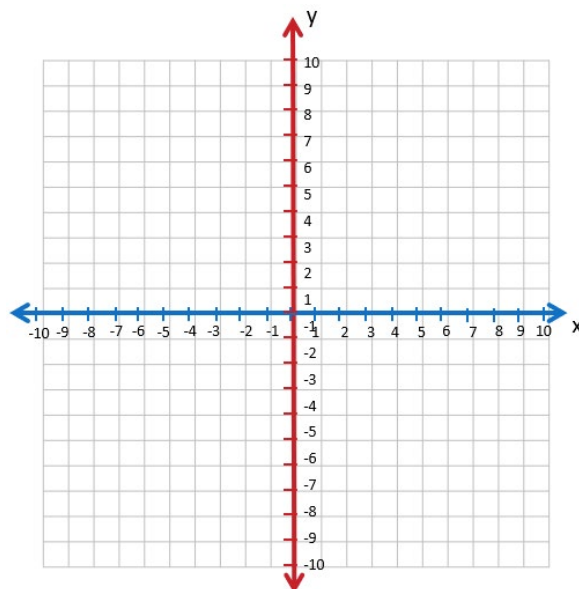


10. $2 = 2x - y$

Y-intercept: _____

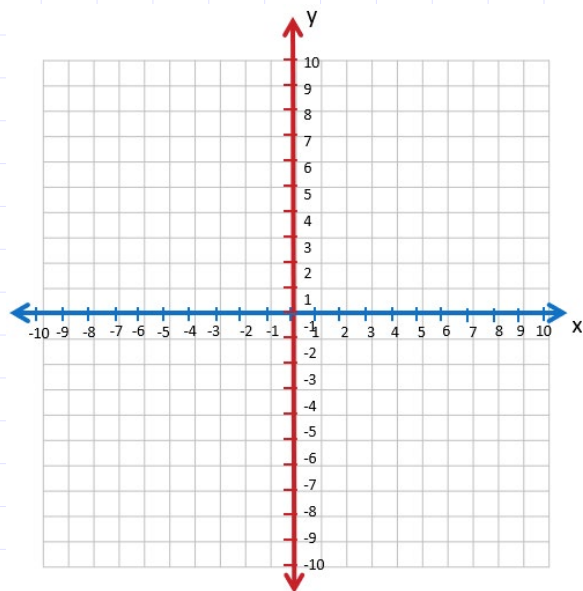
Ordered pair: (_____ , _____)

The slope is: _____

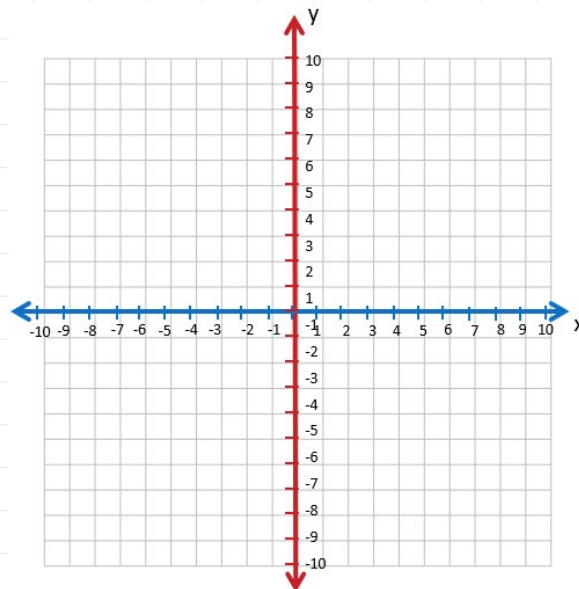


IV. Practice

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