

Unit 3 Day 26 Study Guide for Quiz #1

Name: _____

Part I: Find the slope between the points and determine what type of line it is (upward, downward, horizontal, or vertical).

1. (-2, 5) and (4, -8)

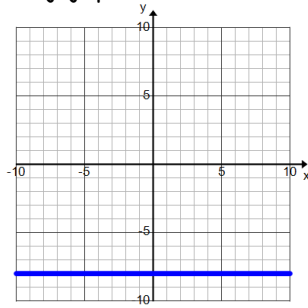
2. (-8, 9) and (-8, 6)

Part II: Find the value of x so the line passing through the points has the given slope.

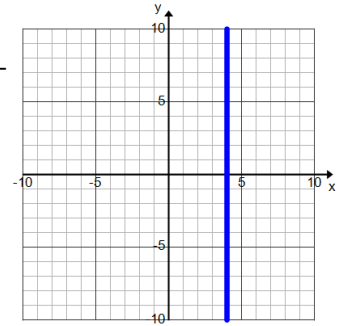
3. (2, 5) and (11, y); $m = \frac{2}{3}$

Part III: Write the equation for the following graphs.

4. Equation: _____

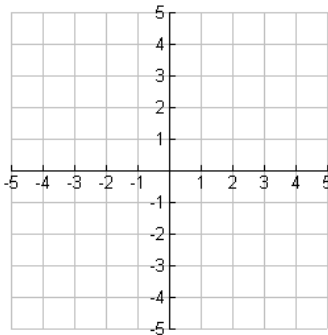


5. Equation: _____



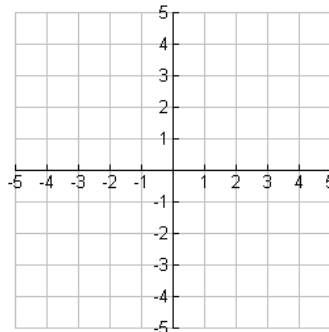
Part IV: Graph the following equations.

6. $y = 4$



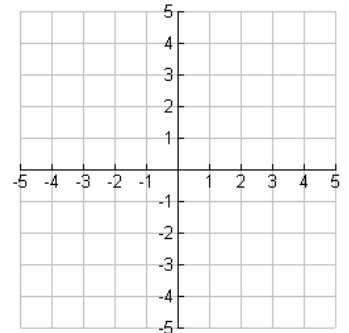
The slope of this graph is _____

7. $x = -1.5$



The slope of this graph is _____

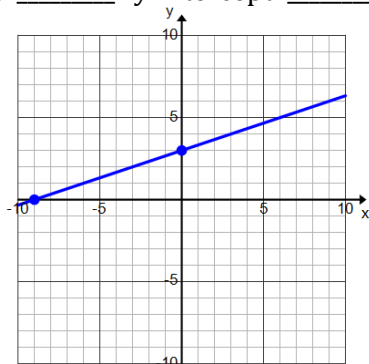
8. $y = 0$



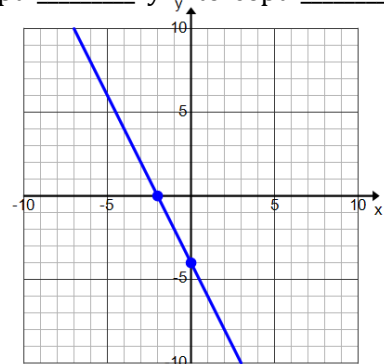
The slope of this graph is _____

Part V: Identify the x- and y-intercepts of the following graph.

9. x - intercept: _____ y-intercept: _____



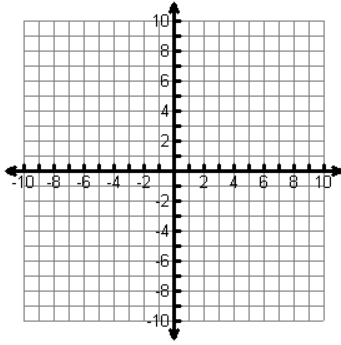
10. x - intercept: _____ y-intercept: _____



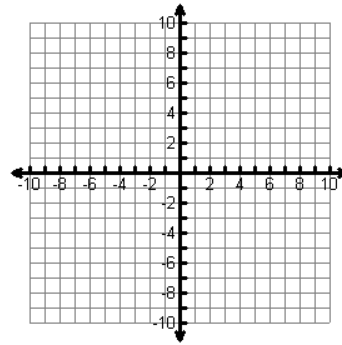
Part V: Find the x- and y-intercepts of the line and graph!

11. $3x + 12y = 24$

12. $2x - 8y = -16$



x	y



x	y

Part VI: Reflection

- ❖ What is the EASIEST part/topic of this study guide for you? _____
- ❖ What is the most challenging part/topic of this study guide for you? _____
- ❖ I want to earn a _____ on the quiz on Monday.
- ❖ In order to earn this grade on the quiz, I am going to...

Don't forget to look back on notes, homework, warm-ups, and other items from the past week to study!

When you are done with this study guide, go and check your answers on Weebly! (www.hinsdalemath.weebly.com)