

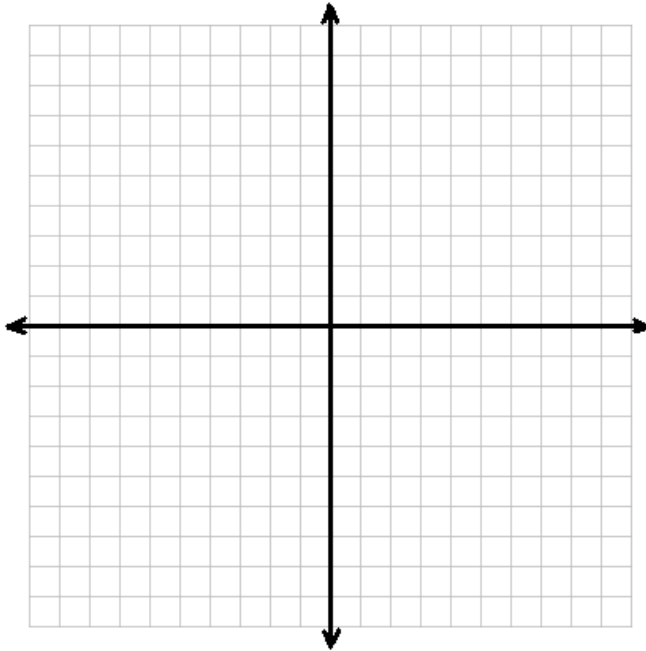
Accelerated Algebra 1: Quiz 5.1 to 5.5

Name: _____

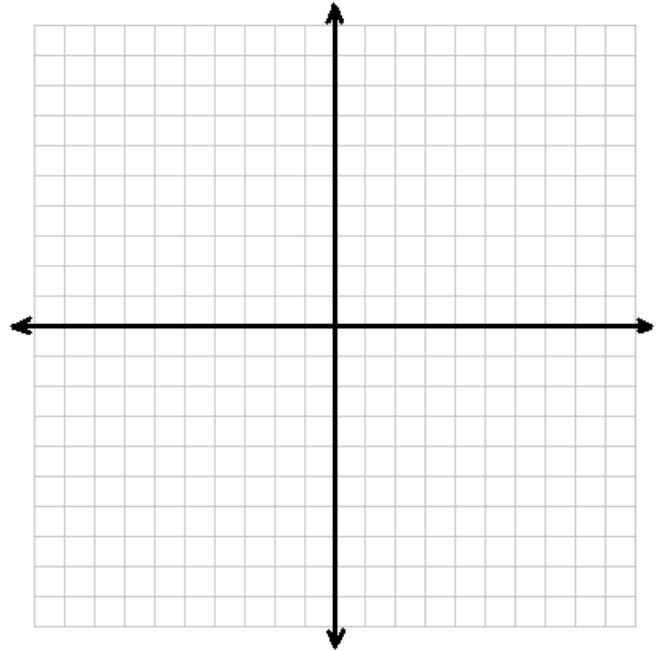
Date: _____

Graph each equation. Label your graphs.

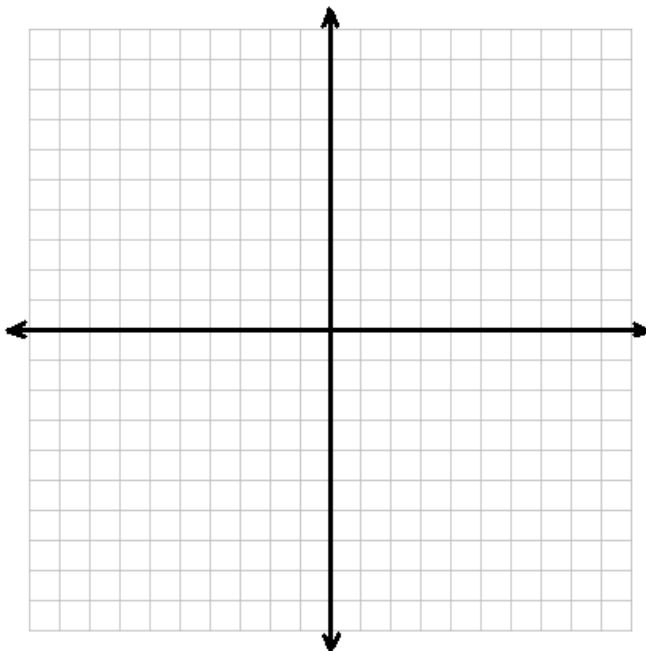
1) A line that passes through the point $(-5, 3)$ and has a slope of $-\frac{1}{2}$.



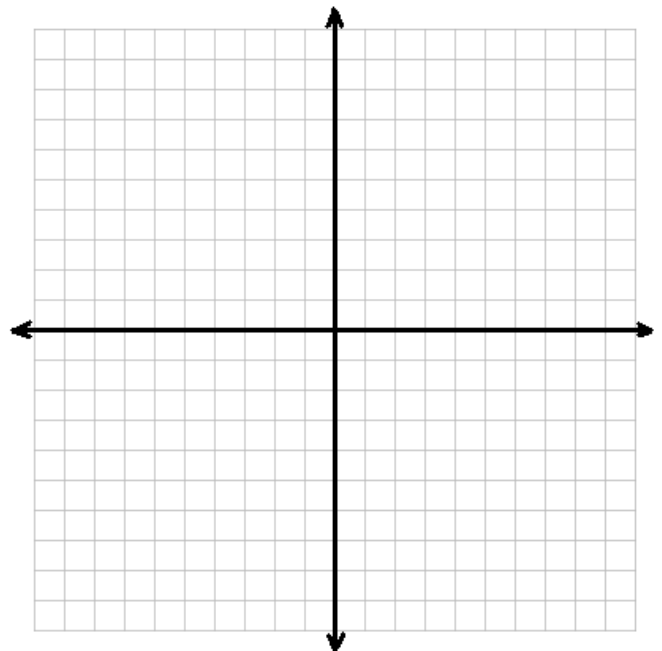
2) $y = -3$



3) $y - 3 = -\frac{3}{2}x + 4$.



4) $x = 4y$.



5) Which of the four lines on the previous page, if any, are direct variations? Write "none" if none of them are direct variations.

5) _____

6) Is the following equation a direct variation? If so, what is the constant of variation?

$$x + 4 = \frac{y}{2} + 4$$

6) _____

7) Find the rate of change: spending \$1,205 in 13 months.

7) _____

8) Find the slope of a line passing through $\left(\frac{4}{5}, -\frac{3}{7}\right)$ and $\left(\frac{12}{2}, \frac{9}{3}\right)$.

8) _____

9) The slope of a line is $\frac{2}{3}$ and passes through (5, -3) and (3, p). Find the value of p.

9) _____

10) Find the y-intercept and x-intercept for the line $y = -x - 7$.

10) y-intercept _____

10) x-intercept _____

Find the slope and y-intercept of the lines.

11) $y = -\frac{3}{7}x - 8$

12) $y = \frac{7}{2}$

Slope: _____

Slope: _____

y-intercept: _____

y-intercept: _____

13) $y + 6 = 2(x - 3)$

14) $3x + 4y = 16$

Slope: _____

Slope: _____

y-intercept: _____

y-intercept: _____

15) Indiana sales tax is 7%. Write an equation to figure out how much things you buy cost in Indiana once sales tax has been added. What is the final cost of a restaurant meal priced at \$6.99?

Quiz continues on the back page.

16) For each set of information, write the equation of the line in the given forms.

	Slope-Intercept Form	Point-Slope Form	Standard Form
Passes through (4, 5) and has a slope of -2.			
Passes through (-1, 2) and (4, -3).			
Passes through (4, 0) and has an undefined slope.			
Has an x-intercept of 3 and a y-intercept of -9.			