NAME _____

DATE _____

Module 7   Solving Linear Equations and
Inequalities of Two Variables
Lesson 2   Graphing Linear Equations of
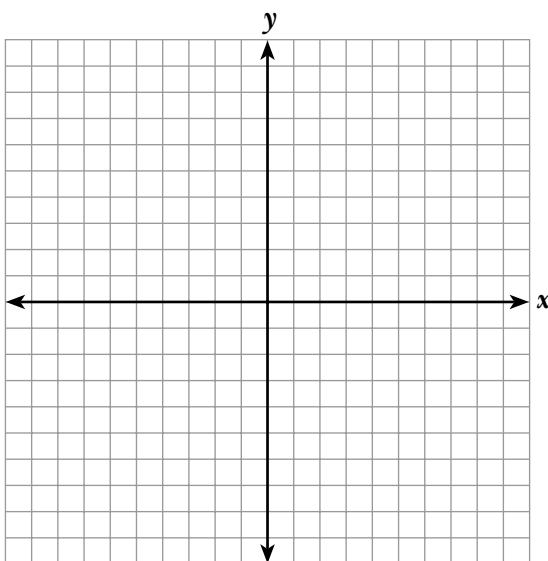Two Variables

guided
notes

Lesson Objectives

- Graph linear equations from a table.
- Graph linear equations using the intercept method.
- Graph linear equations using the slope-intercept method.

It is important to remember that any point on the graph of an equation is

_____ .

1 ▶ Graph the equation using a table.

$4x - 2y = -16$

x	y

The _____ is the *x*-coordinate of the point at which the

graph crosses the *x*-axis.

The _____ is the *y*-coordinate of the point at which the
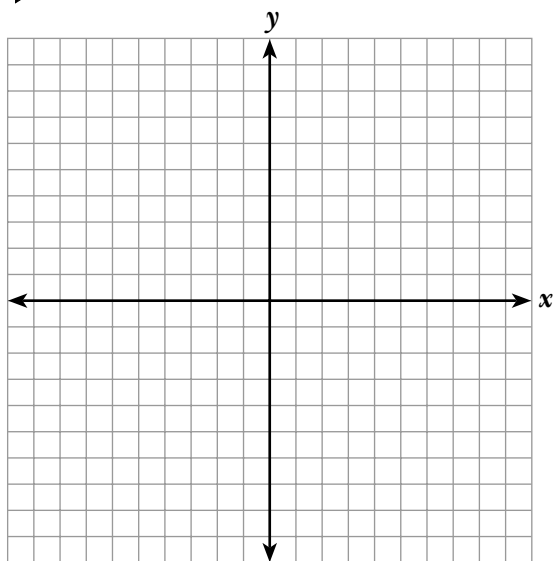
graph crosses the *y*-axis.

410-467-3300

To find the *x*-intercept of any equation, set *y* equal to zero and

solve for _____.

To find the *y*-intercept of any equation, set *x* equal to zero and

solve for _____.

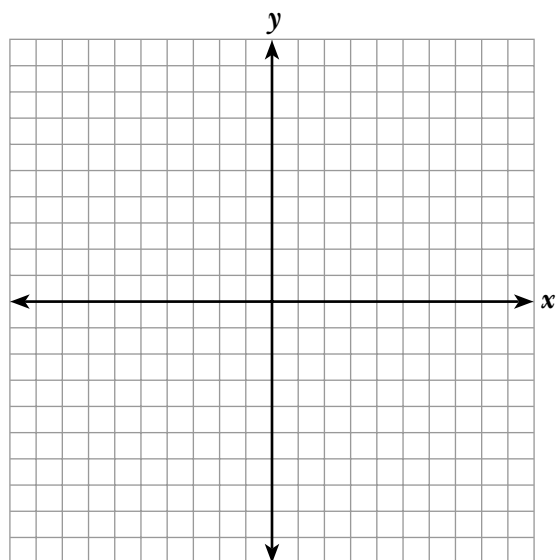**2** ▶ Graph $2x = y + 6$ using the intercept method.

The slope of a line is the ratio _____ to _____.

$$\text{slope} = \frac{\text{rise}}{\text{run}}$$

Slope-intercept form of a linear equation: _____

$m = $ _____ $b = $ _____

3 ▶ Graph the equation $y = \frac{-x}{3}$ using the slope-intercept method.