

NAME \_\_\_\_\_

**Module 8** Writing Linear Equations of Two Variables  
**Lesson 3** Writing Equations of Lines, Given a Point and the Slope or Two Points



guided  
practice

**Set 1**

- Find the equation in slope-intercept form of the line that contains the point (9, 1) and has a slope of 5.  $y = 5x - 44$
- Find the equation in slope-intercept form of the line that contains the point (9, -6) and has a slope of  $-\frac{4}{3}$ .  $y = -\frac{4}{3}x + 6$
- Find the equation of the line that contains the point (4, -5) and has an undefined slope.  
 $x = 4$
- Find the equation in slope-intercept form of the line that contains the point (0, 0) and is parallel to the graph of  $y = x + 5$ .  
 $y = x$
- Find the equation in slope-intercept form of the line that contains the point (-8, 2) and is perpendicular to the graph of  $y = -\frac{1}{2}x - 6$ .  
 $y = 2x + 18$

**Set 2**

- Find the equation in slope-intercept form of the line through the points (2, 5) and (6, 4).  
 $y = -\frac{1}{4}x + 5\frac{1}{2}$
- Find the equation in slope-intercept form of the line through the points (-2, -1) and (0, 7).  
 $y = 4x + 7$
- Find the equation in slope-intercept form of the line through the points (1, 1) and (-3, -7).  
 $y = 2x - 1$
- Find the equation in slope-intercept form of the line that passes through the point (-1, 7) and is perpendicular to the line through the points (0, 0) and (5, -5).  $y = x + 8$

