

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**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**

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

1. Find the equation in slope-intercept form of the line through the points (2, 5) and (6, 4).  
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2. Find the equation in slope-intercept form of the line through the points (-2, -1) and (0, 7).  
\_\_\_\_\_
3. Find the equation in slope-intercept form of the line through the points (1, 1) and (-3, -7).  
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4. 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). \_\_\_\_\_

