

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Basic Skills**  
**Writing Equations of Parallel**  
**and Perpendicular Lines**

Write an equation of the line that is parallel to the given line and passes through the given point.

1.  $y = 3x - 1, (0,2)$

2.  $y = x + 3, (1,2)$

3.  $y = -3x + 5, (-1,4)$

4.  $y = 5x + 2, (3,2)$

5.  $y = -2x - 1, (2,6)$

6.  $y = \frac{2}{3}x + 5, (1,1)$

Write an equation of the line that is perpendicular to the given line and passes through the given point.

7.  $y = -3x + 2, (6,5)$

8.  $y = -5x + 2, (10,8)$

9.  $y = 2x + 3, (3,4)$

10.  $y = -3x + 5, (4,3)$

11.  $y = -\frac{3}{4}x + 2, (-4,1)$

12.  $y = \frac{3}{2}x + 7, (-6,2)$