

**Write the slope-intercept form of an equation that meets the criteria.**

1) Parallel to:  $3y = 2x - 3$   
Passes through:  $(-3, 4)$

4) Parallel to:  $5x - 4y = 1$   
Passes through:  $(-8, 2)$

2) Perpendicular to:  $5x + 4y = 8$   
Passes through:  $(10, 5)$

5) Perpendicular to:  $2x - 5y = -10$   
Passes through:  $(4, -5)$

3) Parallel to:  $3x - y = 5$   
Passes through:  $(-1, -2)$

6) Perpendicular to:  $3x + 2y = -7$   
Passes through:  $(1, 1)$

Parallel and Perpendicular Lines

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

- 7) Parallel to:  $9x + 3y = 8$   
Passes through:  $(-1, -4)$

- 10) Perpendicular to:  $5x - 3y = 9$   
Passes through:  $(-3, 5)$

- 8) Perpendicular to:  $4x + 3y = -6$   
Passes through:  $(-6, -5)$

- 11) Parallel to:  $2x + 5y = 7$   
Passes through:  $(3, 1)$

- 9) Parallel to:  $4x + 3y = 1$   
Passes through:  $(-5, 6)$

- 12) Perpendicular to:  $4x + 7y = 6$   
Passes through:  $(-4, 1)$