

# Practice Exercises

Determine whether the following lines are parallel or perpendicular.

1.  $x - 2y = 6; 2x + y = 5$

2.  $2x - y = 6; 4x = 2y - 6$

3.  $3x - y = -2; 3y + 2 = -x$

4.  $6x - 2y = 12; 3x - y = -29$

5.  $3x + 5y = 4; 5x - 3y = 19$

# Problem Set

Determine whether the following lines are parallel or perpendicular.

1.  $2x - 3y = 6; 3x + 2y = 5$

2.  $2y - x = 6; x = 2y + 6$

3.  $-4x + 8y = 2; -6x + 1 = 3y$

4.  $2x + 3y = 12; 6y = -4x + 8$

5.  $3x + 4y = 4; 4x - 3y = 9$