

Unit 2, Day 6 Developing HW Parallel and Perpendicular Lines

Directions: If you did not yet watch the videos and take notes on Parallel and Perpendicular Lines, start there first, then complete the assignment.

Describe the slope of Parallel lines: _____

Describe the slope of Perpendicular lines: _____

Q2: Determine whether the graphs of each pair of equations are *parallel*, *perpendicular* or *neither*.

1. $y = 3x + 4$

$y = 3x + 7$

2. $y = -4x + 1$

$4y = x + 3$

3. $y = 2x - 5$

$y = 5x - 5$

4. $y = -1/3x + 2$

$y = 3x - 5$

5. $y = 3/5x - 3$

$5y = 3x - 10$

6. $y = 4$

$4y = 6$

7. $y = 7x + 2$

$x + 7y = 8$

8. $y = 5/6x - 6$

$x + 5y = 4$