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

**Parallel and Perpendicular Lines**

**Find the slope, parallel slope, and perpendicular slope of the given equations.**

1) 2y = -4x + 5 2) x – 3y = -9 3) 5x + 4y = 16

m =\_\_\_\_\_\_\_\_ m =\_\_\_\_\_\_\_\_ m =\_\_\_\_\_\_\_\_

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**Write the slope- intercept form of an equation that passes through the given point and is parallel to the graph of the given equation.**

4) (-1, 7) ; y = -2x – 5 5) (-5, 1); 2y = 5x – 4 6) (2, 9); 3x – y = -3

m =\_\_\_\_\_\_\_\_ m =\_\_\_\_\_\_\_\_ m =\_\_\_\_\_\_\_\_

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**Write the slope- intercept form of an equation that passes through the given point and is perpendicular to the graph of the given equation.**

7) (-12, 5); y = 3x + 6 8) (-2, 4); x + 3y = -2 9) (-5, 1); 3y = -12x + 18

m =\_\_\_\_\_\_\_\_ m =\_\_\_\_\_\_\_\_ m =\_\_\_\_\_\_\_\_

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