

## REVIEW-LINEAR EQUATIONS AND PARALLEL AND PERPENDICULAR LINES

Find the slope, the  $\parallel$  slope, and the  $\perp$  slope

1. A(-4, 3) and B(-2,-6)

$m =$  \_\_\_\_\_ ;  $\parallel m =$  \_\_\_\_\_ ;  $\perp m =$  \_\_\_\_\_

2. What is the slope of a vertical line? \_\_\_\_\_ A horizontal line ? \_\_\_\_\_

Find the slope of the line from the equation given

3.  $y = -2/3 x + 4$  \_\_\_\_\_ 4.  $y - 6 = 2(x + 3)$  \_\_\_\_\_ 5.  $3x - 2y = 10$  \_\_\_\_\_

6.  $7x + 14y = 2$  \_\_\_\_\_ 7.  $x = 3$  \_\_\_\_\_ 8.  $y = 4$  \_\_\_\_\_

Write the equation in point-slope form given the indicated information

9. through (-4, 3) and (-2, -6) 10. through (1, 5) and  $\parallel$  to  $y = -1/4 x + 3$

11. through (3, -8) and  $\perp$  to  $y = 3/2 x - 6$  12. through (2, 1) and  $\parallel$  to  $y = 4$

13. through (2, 1) and  $\perp$  to  $x = 3$

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