



Mathematics 52 Handout 4 Fall 2016

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Note: This handout covers some problems from the Slope of a Line and Equation of a Line.

Problem 1: Find the slope of the line that passes through each pair of points:\

Part a: (6,5) and (6,7)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{7 - 5}{6 - 6} = \frac{2}{8}$$
 Undefined

"Vertical Slope"

 $m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-5 - 5}{-2 - 1} = \frac{\pm 10}{\pm 1} = \frac{101}{101}$ 

Problem 2: Find the equation of the line with given properties: A line passes through (0,5) and is parallel to the line: 2x - 3y = -9. Fram 129 me have 2x-3y= 2, then this implies Math is Amazing!!! Practice + Study = SuccessGood Luck Mohammed Kaabar