5.1 Notes.notebook

Algebra 1 5.1 Notes

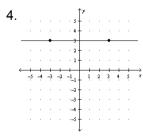
Rate of Change and Slope

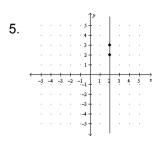
* Rate of Change: Relationship between two changing quantities.

* Slope: Slope =
$$\frac{\text{vertical change}}{\text{horizontal change}} = \frac{\text{rise}}{\text{run}} = \frac{Y_2 - Y_1}{X_2 - X_1}$$

H O Y U X O (ZERO) y = E N R D T E Z I F O C I A N T A L E D

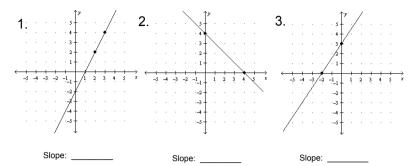
Find the slope of each line.





Slope: Slope: ____

Find the slope of each line.



Find the slope of the line that passes through each pair of points.

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Each pair of points lies on a line with the given slope. Find x or y.

9. (7, 4), (3, y); slope =
$$\frac{1}{4}$$