

Name _____

T

SLOPE OF A LINE #1--KEY

Directions: For the problems below, find the *slope of the line* between each of the two given points. Write your answer in simplest form. To do this without graphing the points, use the formula:

$$\text{slope} = \frac{y_2 - y_1}{x_2 - x_1}$$

Examples: $(1,2)$ and $(3,4) = \frac{4-2}{3-1} = \frac{2}{2} = 1$

$$(1,0) \text{ and } (8,10) = \frac{10-0}{8-1} = \frac{10}{7}$$

1) $(1,6)$ and $(3,8) =$ _____

2) $(2,5)$ and $(4,7) =$ _____

3) $(5,6)$ and $(7,10) =$ _____

4) $(0,5)$ and $(2,6) =$ _____

5) $(5,5)$ and $(8,8) =$ _____

6) $(2,4)$ and $(5,7) =$ _____

7) $(1,9)$ and $(2,11) =$ _____

8) $(7,5)$ and $(9,9) =$ _____

9) $(11,6)$ and $(13,9) =$ _____

10) $(0,0)$ and $(3,5) =$ _____