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SLOPE OF A LINE #2

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

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

1) $(2,6)$ and $(6,15) =$ _____

2) $(1,5)$ and $(4,11) =$ _____

3) $(3,6)$ and $(7,13) =$ _____

4) $(0,5)$ and $(5,17) =$ _____

5) $(0,5)$ and $(8,8) =$ _____

6) $(11,4)$ and $(15,7) =$ _____

7) $(1,9)$ and $(6,11) =$ _____

8) $(7,5)$ and $(13,10) =$ _____

9) $(11,9)$ and $(12,9) =$ _____

10) $(0,0)$ and $(7,8) =$ _____