Algebra 1   Sec 6-1   Slope and Rate of Change   Fall 2015

·Slope is defined as $\dfrac{\text{change in Dependent Variable}}{\text{change in Independent Variable}} = \dfrac{\text{Change in Y}}{\text{Change in X}} = \dfrac{Rise}{Run} = \dfrac{y_2 - y_1}{x_2 - x_1}$

·Rate of Change is just slope with units.

1. Find the slope of the line connecting each pair of points. For non-integer answers leave slope as a fraction in reduced form.

a) $(-6, 2) \& (-3, -10)$

Slope =

b) $(4, 3) \& (-6, 18)$
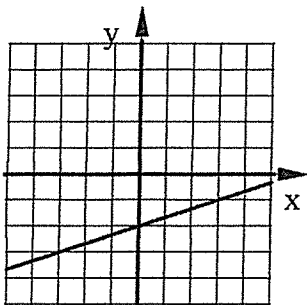
Slope =

c) $(5, -3) \& (-8, -3)$
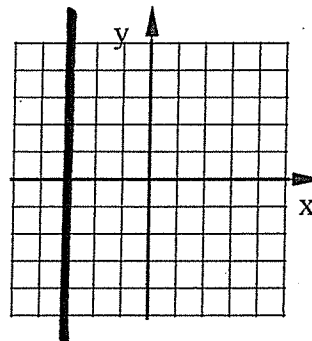
Slope =

d) $(2, -7) \& (2, 1)$
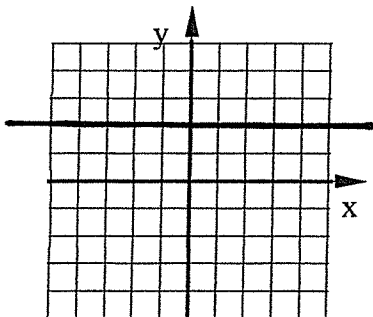
Slope =

2. Find the slope of the line shown in each graph.

a) Slope =

b) Slope =

c) Slope =

d) Slope =

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