Name : _____

Finding Slope: Ratio method

Sheet 3

Find the slope of a line passing through (–1, –8) and (–6, –4).

$\triangle y = y_2 - y_1 = -4 + 8 = \mathbf{4}$

$\triangle x = x_2 - x_1 = -6 + 1 = \mathbf{-5}$

$\text{Slope} = \frac{\triangle y}{\triangle x} = \frac{4}{-5} = \mathbf{-\frac{4}{5}}$

Find the slope of a line that passes through the given two points using ratio method.

1) (1, –7) and (2, –4)

$\triangle y$ = _____

$\triangle x$ = _____

$\text{Slope} = \frac{\triangle y}{\triangle x}$ = _____

2) (9, –3) and (3, –7)

$\triangle y$ = _____

$\triangle x$ = _____

$\text{Slope} = \frac{\triangle y}{\triangle x}$ = _____

3) (3, 5) and (–6, 8)

$\triangle y$ = _____

$\triangle x$ = _____

$\text{Slope} = \frac{\triangle y}{\triangle x}$ = _____

5) (–7, 8) and (4, –3)

$\triangle y$ = _____

$\triangle x$ = _____

$\text{Slope} = \frac{\triangle y}{\triangle x}$ = _____

7) (0, –3) and (–5, 2)

$\triangle y$ = _____

$\triangle x$ = _____

$\text{Slope} = \frac{\triangle y}{\triangle x}$ = _____

8) (6, –1) and (8, 4)

$\triangle y$ = _____

$\triangle x$ = _____

$\text{Slope} = \frac{\triangle y}{\triangle x}$ = _____