Name : _____

Finding Slope: Ratio method

Sheet 4

Find the slope of a line passing through (–2, –7) and (–5, –1).

$\triangle y = y_2 - y_1 = -1 + 7 = \mathbf{6}$

$\triangle x = x_2 - x_1 = -5 + 2 = \mathbf{-3}$

$\text{Slope} = \frac{\triangle y}{\triangle x} = \frac{6}{-3} = \mathbf{-2}$

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

1) (–3, –4) and (–1, –2)

$\triangle y$ = _____

$\triangle x$ = _____

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

2) (–9, 5) and (–2, 3)

= _____

= _____

= _____

3) (7, 9) and (–8, 7)

$\triangle y$ = _____

$\triangle x$ = _____

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

5) (–5, –6) and (–, 5)

$\triangle y$ = _____

$\triangle x$ = _____

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

7) (–1, 8) and (–4, 5)

$\triangle y$ = _____

$\triangle x$ = _____

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

8) (9, 4) and (7, –1)

$\triangle y$ = _____

$\triangle x$ = _____

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