

Slope

Name: _____

Date: _____

Find the slope using ratio method

$(-2,-3)$ and $(3,-6)$

$$\Delta y = y_2 - y_1 = -6 - (-3) = -3$$

$$\Delta x = x_2 - x_1 = 3 - (-2) = 5$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{-3}{5}$$

1

$(8,0)$ and $(9,4)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

2

$(6,0)$ and $(-9,5)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

3

$(-5,4)$ and $(3,-2)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

4

$(8,-5)$ and $(6,-1)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

5

$(-7,4)$ and $(-2,3)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

6

$(-4,-6)$ and $(-5,-3)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

7

$(5,-1)$ and $(8,2)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

8

$(6,-1)$ and $(0,9)$

$$\Delta y = \underline{\hspace{2cm}}$$

$$\Delta x = \underline{\hspace{2cm}}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\hspace{2cm}}$$

Slope

Name: _____

Date: _____

Find the slope using ratio method

$(-2,-3)$ and $(3,-6)$

$$\Delta y = y_2 - y_1 = -6 - (-3) = -3$$

$$\Delta x = x_2 - x_1 = 3 - (-2) = 5$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \frac{-3}{5}$$

1

$(8,0)$ and $(9,4)$

$$\Delta y = 4$$

$$\Delta x = 1$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = 4$$

2

$(6,0)$ and $(-9,5)$

$$\Delta y = 5$$

$$\Delta x = -15$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{1}{3}$$

3

$(-5,4)$ and $(3,-2)$

$$\Delta y = -6$$

$$\Delta x = 8$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{3}{4}$$

4

$(8,-5)$ and $(6,-1)$

$$\Delta y = 4$$

$$\Delta x = -2$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -2$$

5

$(-7,4)$ and $(-2,3)$

$$\Delta y = -1$$

$$\Delta x = 5$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{1}{5}$$

6

$(-4,-6)$ and $(-5,-3)$

$$\Delta y = 3$$

$$\Delta x = -1$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -3$$

7

$(5,-1)$ and $(8,2)$

$$\Delta y = 3$$

$$\Delta x = 3$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = 1$$

8

$(6,-1)$ and $(0,9)$

$$\Delta y = 10$$

$$\Delta x = -6$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = -\frac{5}{3}$$