

Slope

Name: _____

Date: _____

Find the slope using ratio method

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

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

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

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

1

$(3,-2)$ and $(5,0)$

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

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

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

2

$(6,-1)$ and $(4,2)$

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

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

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

3

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

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

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

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

4

$(4,8)$ and $(-2,7)$

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

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

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

5

$(2,0)$ and $(-1,3)$

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

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

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

6

$(7,-1)$ and $(3,9)$

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

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

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

7

$(-5,2)$ and $(7,4)$

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

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

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

8

$(6,-3)$ and $(4,-2)$

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

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

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

Slope

Name: _____

Date: _____

Find the slope using ratio method

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

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

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

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

1

 $(3,-2)$ and $(5,0)$

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

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

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

2

 $(6,-1)$ and $(4,2)$

$$\Delta y = \underline{3}$$

$$\Delta x = \underline{-2}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{3}{2}}$$

3

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

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

$$\Delta x = \underline{4}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\frac{1}{2}}$$

4

 $(4,8)$ and $(-2,7)$

$$\Delta y = \underline{-1}$$

$$\Delta x = \underline{-6}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\frac{1}{6}}$$

5

 $(2,0)$ and $(-1,3)$

$$\Delta y = \underline{3}$$

$$\Delta x = \underline{-3}$$

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

6

 $(7,-1)$ and $(3,9)$

$$\Delta y = \underline{10}$$

$$\Delta x = \underline{-4}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{5}{2}}$$

7

 $(-5,2)$ and $(7,4)$

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

$$\Delta x = \underline{12}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\frac{1}{6}}$$

8

 $(6,-3)$ and $(4,-2)$

$$\Delta y = \underline{1}$$

$$\Delta x = \underline{-2}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{1}{2}}$$