

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

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

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

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

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

2

$(5,-2)$ and $(9,5)$

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

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

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

3

$(-6,-4)$ and $(1,-5)$

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

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

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

4

$(9,-2)$ and $(4,2)$

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

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

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

5

$(5,1)$ and $(-4,6)$

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

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

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

6

$(6,-2)$ and $(1,8)$

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

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

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

7

$(3,-9)$ and $(-4,1)$

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

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

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

8

$(8,-3)$ and $(2,0)$

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

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

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

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

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

1

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

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

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

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

2

 $(5,-2)$ and $(9,5)$

$$\Delta y = \underline{7}$$

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

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{\frac{7}{4}}$$

3

 $(-6,-4)$ and $(1,-5)$

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

$$\Delta x = \underline{7}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{1}{7}}$$

4

 $(9,-2)$ and $(4,2)$

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

$$\Delta x = \underline{-5}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{4}{5}}$$

5

 $(5,1)$ and $(-4,6)$

$$\Delta y = \underline{5}$$

$$\Delta x = \underline{-9}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{5}{9}}$$

6

 $(6,-2)$ and $(1,8)$

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

$$\Delta x = \underline{-5}$$

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

7

 $(3,-9)$ and $(-4,1)$

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

$$\Delta x = \underline{-7}$$

$$\text{Slope} = \frac{\Delta y}{\Delta x} = \underline{-\frac{10}{7}}$$

8

 $(8,-3)$ and $(2,0)$

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

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

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