



## Slope: Two-point Formula

Name \_\_\_\_\_

Score \_\_\_\_\_

SL:16

Example : Find the slope of a line passing through the points  $(-2, -1)$  and  $(-4, -7)$ .

$$\begin{aligned}\text{Slope} = m &= \frac{y_2 - y_1}{x_2 - x_1} \\ &= \frac{-7 + 1}{-4 + 2} = \mathbf{3}\end{aligned}$$

Find the slope of each line passing through the given points by using two-point formula method.

1)  $(-2, 0)$  and  $(5, 6)$

Slope =



2)  $(-6, -5)$  and  $(-1, -10)$

Slope =



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

Slope =



4)  $(0, -12)$  and  $(3, 0)$

Slope =



5)  $(1, 1)$  and  $(-3, -5)$

Slope =



6)  $(-2, -8)$  and  $(-4, 6)$

Slope =





# Slope: Two-point Formula

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

SL:16

Example : Find the slope of a line passing through the points  $(-2, -1)$  and  $(-4, -7)$ .

$$\begin{aligned}\text{Slope} = m &= \frac{y_2 - y_1}{x_2 - x_1} \\ &= \frac{-7 + 1}{-4 + 2} = \mathbf{3}\end{aligned}$$

Find the slope of each line passing through the given points by using two-point formula method.

1)  $(-2, 0)$  and  $(5, 6)$

Slope = 

2)  $(-6, -5)$  and  $(-1, -10)$

Slope = 

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

Slope = 

4)  $(0, -12)$  and  $(3, 0)$

Slope = 

5)  $(1, 1)$  and  $(-3, -5)$

Slope = 

6)  $(-2, -8)$  and  $(-4, 6)$

Slope = 