

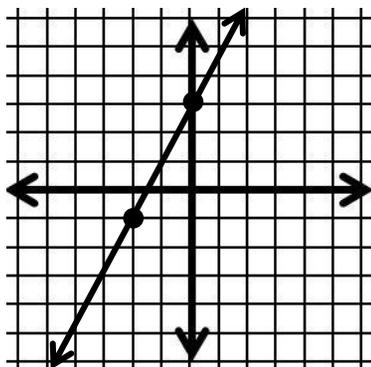
POSITIVE  
SLOPE

negative  
SLOPE

zero  
SLOPE

no  
SLOPE

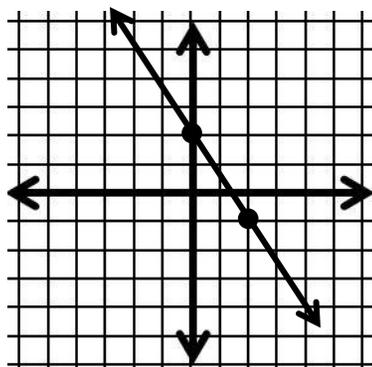
Example 1: Find the slope of the line shown below.



Example 2: Find the slope of the line that passes through the points below.

$(5, 2)$  and  $(4, -1)$

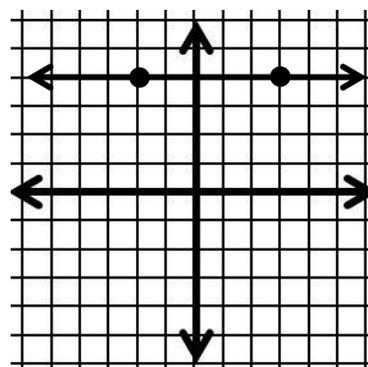
Example 3: Find the slope of the line shown below.



Example 4: Find the slope of the line that passes through the points below.

$(0, 6)$  and  $(5, -4)$

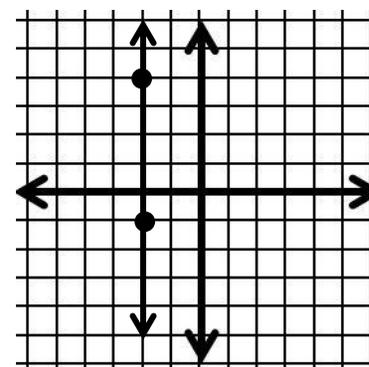
Example 5: Find the slope of the line shown below.



Example 6: Find the slope of the line that passes through the points below.

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

Example 7: Find the slope of the line shown below.



Example 8: Find the slope of the line that passes through the points below.

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

**S** **L** **O** **P** **E**

# Answer Key!

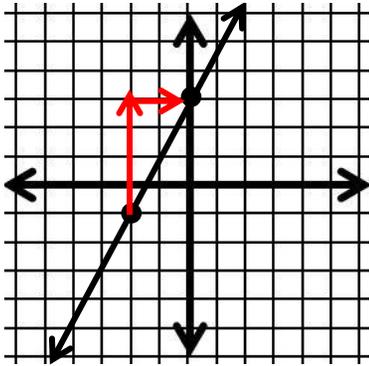
POSITIVE  
SLOPE

negative  
SLOPE

zero  
SLOPE

no  
SLOPE

Example 1: Find the slope of the line shown below.



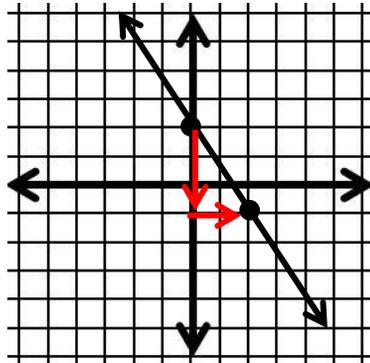
$$\frac{\text{rise}}{\text{run}} = \frac{4}{2} = 2$$

Example 2: Find the slope of the line that passes through the points below.

$$\begin{matrix} (x_1, y_1) & (x_2, y_2) \\ (5, 2) & \text{and } (4, -1) \end{matrix}$$

$$\frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 2}{4 - 5} = \frac{-3}{-1} = 3$$

Example 3: Find the slope of the line shown below.



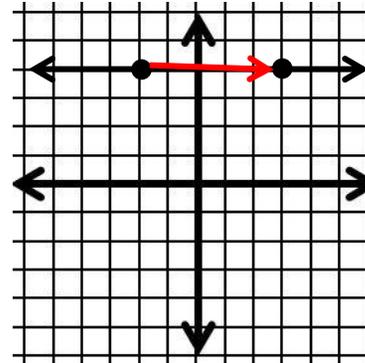
$$\frac{\text{rise}}{\text{run}} = \frac{-3}{2}$$

Example 4: Find the slope of the line that passes through the points below.

$$(0, 6) \text{ and } (5, -4)$$

$$\frac{y_2 - y_1}{x_2 - x_1} = \frac{-4 - 6}{5 - 0} = \frac{-10}{5} = -2$$

Example 5: Find the slope of the line shown below.



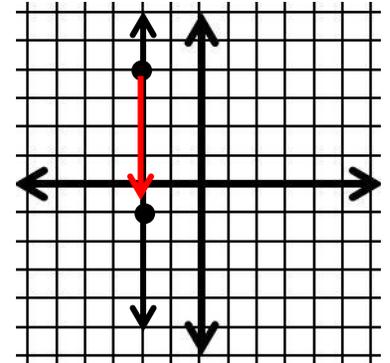
$$\frac{\text{rise}}{\text{run}} = \frac{0}{5} = 0$$

Example 6: Find the slope of the line that passes through the points below.

$$(0, 4) \text{ and } (-3, 4)$$

$$\frac{y_2 - y_1}{x_2 - x_1} = \frac{4 - 4}{-3 - 0} = \frac{0}{-3} = 0$$

Example 7: Find the slope of the line shown below.



$$\frac{\text{rise}}{\text{run}} = \frac{5}{0} = \text{undefined}$$

Example 8: Find the slope of the line that passes through the points below.

$$(5, 2) \text{ and } (5, -2)$$

$$\frac{y_2 - y_1}{x_2 - x_1} = \frac{-2 - 2}{5 - 5} = \frac{-4}{0} = \text{undefined}$$



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