

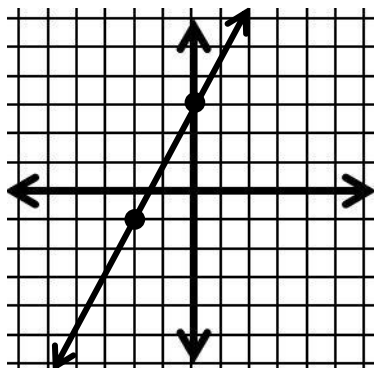
P **o** **s** **i** **t** **i** **v** **e**
s **l** **o** **p** **e**

N **e** **g** **a** **t** **i** **v** **e**
s **l** **o** **p** **e**

Z **e** **r** **o**
s **l** **o** **p** **e**

N **o**
s **l** **o** **p** **e**

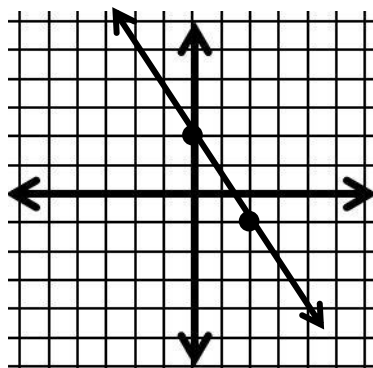
Example 1: Find the slope of the line shown below.



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

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

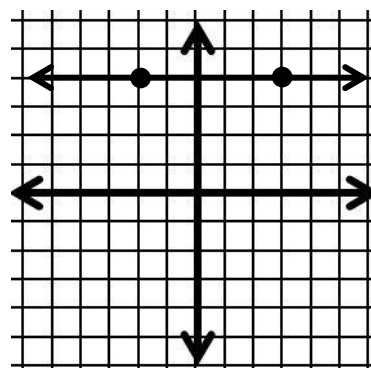
Example 3: Find the slope of the line shown below.



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

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

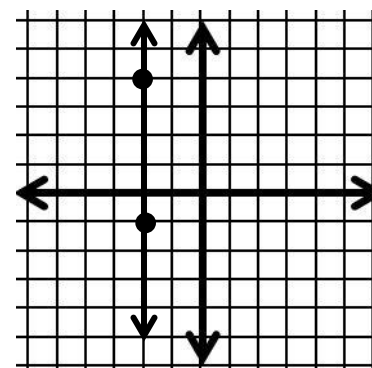
Example 5: Find the slope of the line shown below.



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 $(5, -2)$

slope

Answer Key!

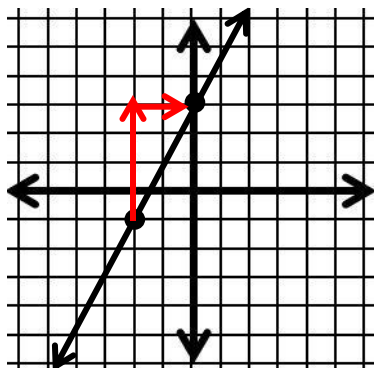
Positive
slope

Negative
slope

Zero
slope

No
slope

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



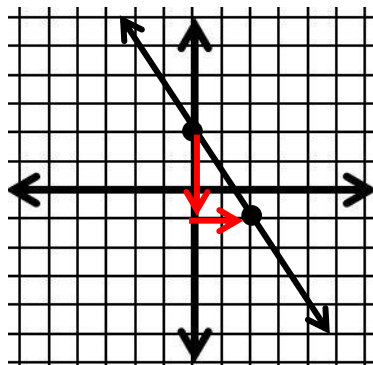
$$\frac{\text{rise}}{\text{run}} = \frac{4}{2} = 2$$

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

(x_1, y_1) (x_2, y_2)
 $(5, 2)$ and $(4, -1)$

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

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



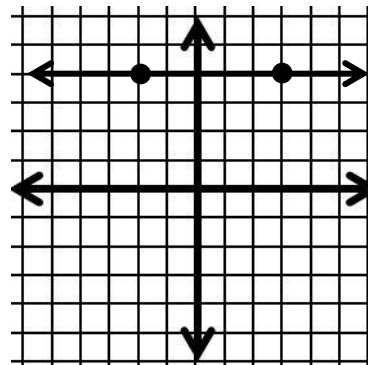
$$\frac{\text{rise}}{\text{run}} = \frac{-3}{2}$$

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

$(0, 6)$ 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.



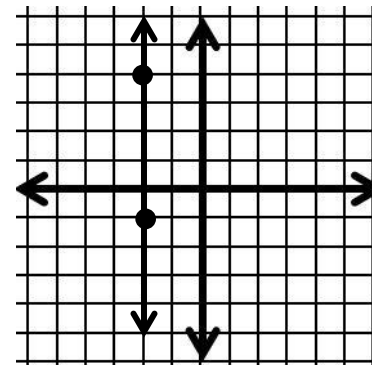
$$\frac{\text{rise}}{\text{run}} = \frac{0}{5} = 0$$

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

$(0, 4)$ 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.

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

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

slope

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