

Name: _____

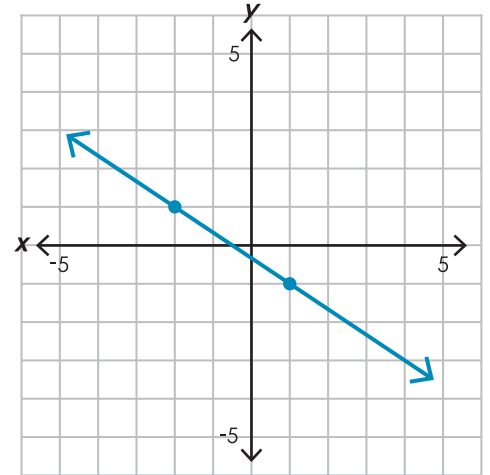
Finding the Slope

Identify the coordinates for two points on the line. Find the slope of each line.

Ⓐ (____, ____) and (____, ____)

$$\begin{aligned} \text{rise} &= \underline{\quad} - \underline{\quad} & \text{run} &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} & &= \underline{\quad} \end{aligned}$$

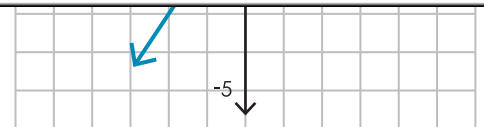
$$m = \underline{\quad}$$



Preview

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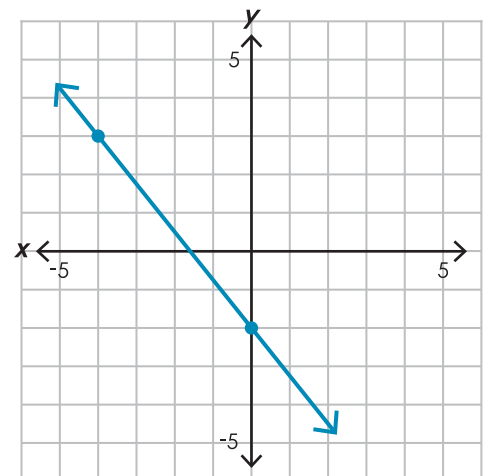
$$m = \underline{\quad}$$



Ⓑ (____, ____) and (____, ____)

$$\begin{aligned} \text{rise} &= \underline{\quad} - \underline{\quad} & \text{run} &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} & &= \underline{\quad} \end{aligned}$$

$$m = \underline{\quad}$$

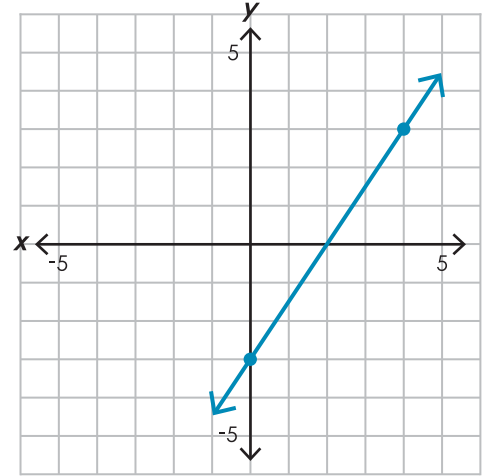


Finding the Slope

d) (____, ____) and (____, ____)

$$\begin{aligned} \text{rise} &= \underline{\quad} - \underline{\quad} & \text{run} &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} & &= \underline{\quad} \end{aligned}$$

$$m = \underline{\hspace{2cm}}$$



e) (____, ____) and (____, ____)



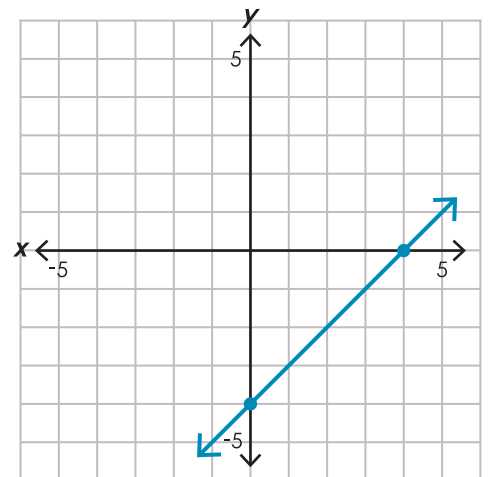
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f) (____, ____) and (____, ____)

$$\begin{aligned} \text{rise} &= \underline{\quad} - \underline{\quad} & \text{run} &= \underline{\quad} - \underline{\quad} \\ &= \underline{\quad} & &= \underline{\quad} \end{aligned}$$

$$m = \underline{\hspace{2cm}}$$



ANSWERS

Finding the Slope

a) (-2 , 1) and (1 , -1)

$$\begin{aligned} \text{rise} &= \underline{-1} - \underline{1} & \text{run} &= \underline{1} - \underline{-2} \\ &= \underline{-2} & &= \underline{3} \end{aligned}$$

$$m = \underline{\frac{-2}{3} \text{ or } -\frac{2}{3}}$$

b) (0 , 0) and (2 , 3)

$$\begin{aligned} \text{rise} &= \underline{3} - \underline{0} & \text{run} &= \underline{2} - \underline{0} \\ &= \underline{3} & &= \underline{2} \end{aligned}$$

$$m = \underline{\frac{3}{2}}$$



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e) (0 , 1) and (2 , -2)

$$\begin{aligned} \text{rise} &= \underline{-2} - \underline{1} & \text{run} &= \underline{2} - \underline{0} \\ &= \underline{-3} & &= \underline{2} \end{aligned}$$

$$m = \underline{\frac{-3}{2} \text{ or } -\frac{3}{2}}$$

f) (0 , -4) and (4 , 0)

$$\begin{aligned} \text{rise} &= \underline{0} - \underline{-4} & \text{run} &= \underline{4} - \underline{0} \\ &= \underline{4} & &= \underline{4} \end{aligned}$$

$$m = \underline{\frac{4}{4} \text{ or } 1}$$