

Name: _____

Finding the Slope

Find the slope based on the given sets of points.

Ⓐ (-4, 1) and (2, 2)

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

Ⓑ (-2, 5) and (1, -4)

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

Ⓒ (-2, 1) and (1, -1)

Ⓓ (-1, -1) and (3, -10)



Preview

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

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

Ⓔ (0, 1) and (6, -8)

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

Ⓕ (-3, -2) and (-3, 2)

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

Ⓖ (6, -3) and (8, -1)

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

Ⓗ (-5, 1) and (3, 1)

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

ANSWERS

Finding the Slope

Find the slope based on the given sets of points.

Ⓐ (-4, 1) and (2, 2)

$$\begin{aligned} \text{rise} &= 2 - 1 & \text{run} &= 2 - (-4) \\ &= 1 & &= 6 \end{aligned}$$

$$m = \underline{\frac{1}{6}}$$

Ⓑ (-2, 5) and (1, -4)

$$\begin{aligned} \text{rise} &= -4 - 5 & \text{run} &= 1 - (-2) \\ &= -9 & &= 3 \end{aligned}$$

$$m = \underline{\frac{-9}{3} \text{ or } -\frac{9}{3} \text{ or } -\frac{3}{1} \text{ or } -3}$$

Ⓒ (-2, 1) and (1, -1)

Ⓓ (-1, -1) and (3, -10)



Preview

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$$m = \underline{\frac{4}{6} \text{ or } \frac{2}{3}}$$

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

Ⓔ (0, 1) and (6, -8)

$$\begin{aligned} \text{rise} &= -8 - 1 & \text{run} &= 6 - 0 \\ &= -9 & &= 6 \end{aligned}$$

$$m = \underline{\frac{-9}{6} \text{ or } -\frac{9}{6} \text{ or } -\frac{3}{2}}$$

Ⓕ (-3, -2) and (-3, 2)

$$\begin{aligned} \text{rise} &= 2 - (-2) & \text{run} &= -3 - (-3) \\ &= 4 & &= 0 \end{aligned}$$

$$m = \underline{\text{undefined}}$$

Ⓖ (6, -3) and (8, -1)

$$\begin{aligned} \text{rise} &= -1 - (-3) & \text{run} &= 8 - 6 \\ &= 2 & &= 2 \end{aligned}$$

$$m = \underline{\frac{2}{2} \text{ or } 1}$$

Ⓗ (-5, 1) and (3, 1)

$$\begin{aligned} \text{rise} &= 1 - 1 & \text{run} &= 3 - (-5) \\ &= 0 & &= 8 \end{aligned}$$

$$m = \underline{\frac{0}{8} \text{ or } 0}$$