

Name: _____

Finding the Slope

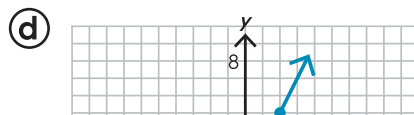
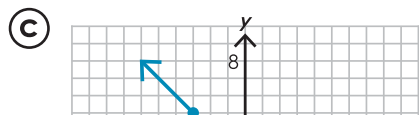
Find slope based on the given points, graph, or table.

a) $(-3, -2)$ and $(-3, -6)$

$m =$ _____

b) $(6, -3)$ and $(8, 0)$

$m =$ _____



Preview

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e)

x	y
-7	-5
-5	0
-3	5
-1	10
1	15

$m =$ _____

f)

x	y
2	2
6	-1
10	-4
14	-7
18	-10

$m =$ _____

ANSWERS

Finding the Slope

Note: Answers should be consistent but work may vary.

a) $(-3, -2)$ and $(-3, -6)$

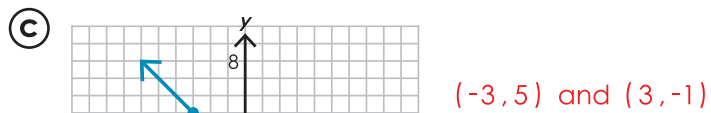
$$\begin{aligned} \text{rise} &= -6 - (-2) & \text{run} &= -3 - (-3) \\ &= -4 & &= 0 \end{aligned}$$

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

b) $(6, -3)$ and $(8, 0)$

$$\begin{aligned} \text{rise} &= 0 - (-3) & \text{run} &= 8 - 6 \\ &= 3 & &= 2 \end{aligned}$$

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



Preview

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e)

x	y
-7	-5
-5	0
-3	5
-1	10
1	15

 $(-7, -5)$ and $(-5, 0)$

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

$$\begin{aligned} \text{run} &= -5 - (-7) \\ &= 2 \end{aligned}$$

$$m = \underline{\frac{5}{2}}$$

f)

x	y
2	2
6	-1
10	-4
14	-7
18	-10

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

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

$$\begin{aligned} \text{run} &= 6 - 2 \\ &= 4 \end{aligned}$$

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