

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Finding Slope from Two Points

Find the exact slope through each pair of points.

1. Points: $(-1, -2)$, $(0, -1)$

Slope: _____

6. Points: $(2, 1)$, $(1, 3)$

Slope: _____

2. Points: $(1, -2)$, $(0, 4)$

Slope: _____

7. Points: $(3, -2)$, $(0, -4)$

Slope: _____

3. Points: $(2, 0)$, $(0, -1)$

Slope: _____

8. Points: $(0, -2)$, $(-2, 3)$

Slope: _____

4. Points: $(3, -4)$, $(0, -2)$

Slope: _____

9. Points: $(0, 0)$, $(1, 3)$

Slope: _____

5. Points: $(1, 0)$, $(2, 2)$

Slope: _____

10. Points: $(1, -3)$, $(0, -1)$

Slope: _____

Finding Slope from Two Points

Answer key

Find the exact slope through each pair of points.

1. Points: (-1, -2), (0, -1)

Slope: 1

$$m = \frac{-1 - (-2)}{0 - (-1)}$$

Use the change in y divided by the change in x, then find the intercept.

6. Points: (2, 1), (1, 3)

Slope: -2

$$m = \frac{3 - 1}{1 - 2}$$

Use the change in y divided by the change in x, then find the intercept.

2. Points: (1, -2), (0, 4)

Slope: -6

$$m = \frac{4 - (-2)}{0 - 1}$$

Use the change in y divided by the change in x, then find the intercept.

7. Points: (3, -2), (0, -4)

Slope: $\frac{2}{3}$

$$m = \frac{-4 - (-2)}{0 - 3}$$

Use the change in y divided by the change in x, then find the intercept.

3. Points: (2, 0), (0, -1)

Slope: $\frac{1}{2}$

$$m = \frac{-1 - 0}{0 - 2}$$

Use the change in y divided by the change in x, then find the intercept.

8. Points: (0, -2), (-2, 3)

Slope: $-\frac{5}{2}$

$$m = \frac{3 - (-2)}{-2 - 0}$$

Use the change in y divided by the change in x, then find the intercept.

4. Points: (3, -4), (0, -2)

Slope: $-\frac{2}{3}$

$$m = \frac{-2 - (-4)}{0 - 3}$$

Use the change in y divided by the change in x, then find the intercept.

9. Points: (0, 0), (1, 3)

Slope: 3

$$m = \frac{3 - 0}{1 - 0}$$

Use the change in y divided by the change in x, then find the intercept.

5. Points: (1, 0), (2, 2)

Slope: 2

$$m = \frac{2 - 0}{2 - 1}$$

Use the change in y divided by the change in x, then find the intercept.

10. Points: (1, -3), (0, -1)

Slope: -2

$$m = \frac{-1 - (-3)}{0 - 1}$$

Use the change in y divided by the change in x, then find the intercept.