

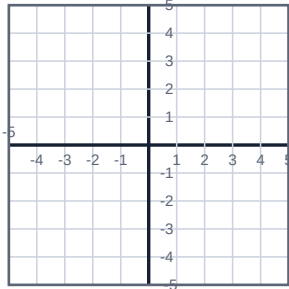
Math Sheet

Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Lines from Two Points

Use the two points and given y-intercept to complete each task.

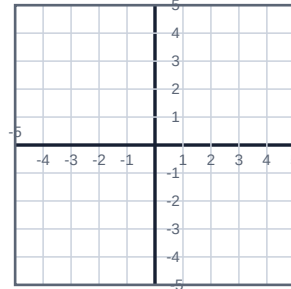
1. Points: (0, 1), (1, 4) y-intercept: 1



Slope: _____

Equation: _____

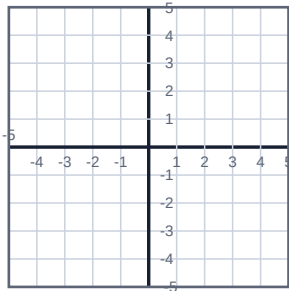
5. Points: (0, -2), (-1, -3) y-intercept: -2



Slope: _____

Equation: _____

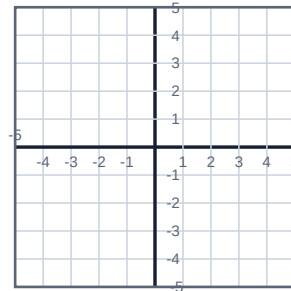
2. Points: (-3, 2), (-2, 0) y-intercept: -4



Slope: _____

Equation: _____

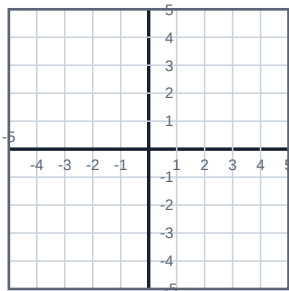
6. Points: (-1, 3), (-2, 4) y-intercept: 2



Slope: _____

Equation: _____

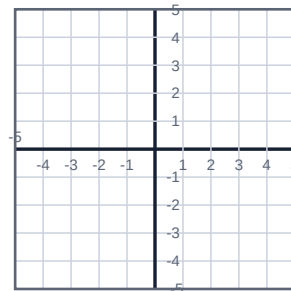
3. Points: (-4, 0), (-2, 1) y-intercept: 2



Slope: _____

Equation: _____

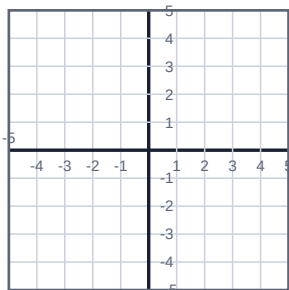
7. Points: (2, 1), (0, -4) y-intercept: -4



Slope: _____

Equation: _____

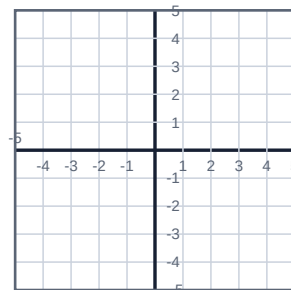
4. Points: (2, -1), (4, -4) y-intercept: 2



Slope: _____

Equation: _____

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



Slope: _____

Equation: _____

Math Sheet

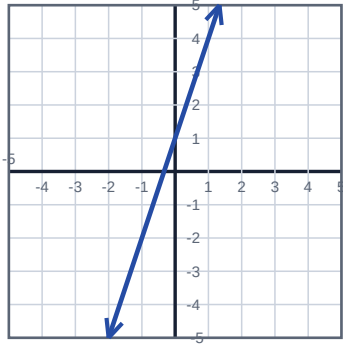
Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Lines from Two Points

Answer key

Use the two points and given y-intercept to complete each task.

1. Points: (0, 1), (1, 4) y-intercept: 1



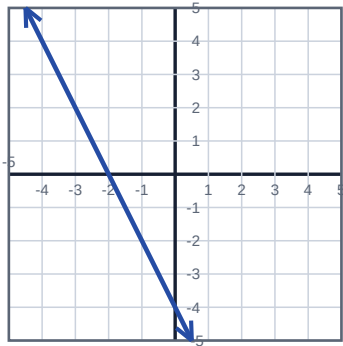
Slope: 3

Equation: $y = 3x + 1$

$$m = \frac{4 - 1}{1 - 0}$$

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

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



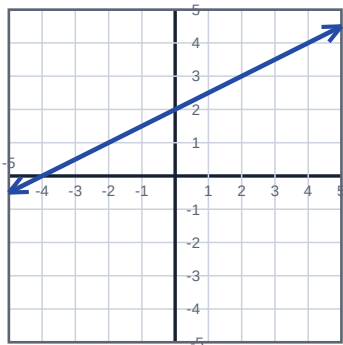
Slope: -2

Equation: $y = -2x - 4$

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

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

3. Points: (-4, 0), (-2, 1) y-intercept: 2



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

Equation: $y = \frac{1}{2}x + 2$

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

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

Math Sheet

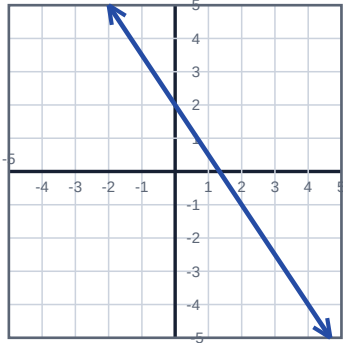
Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Lines from Two Points

Answer key

Use the two points and given y-intercept to complete each task.

4. Points: (2, -1), (4, -4) y-intercept: 2



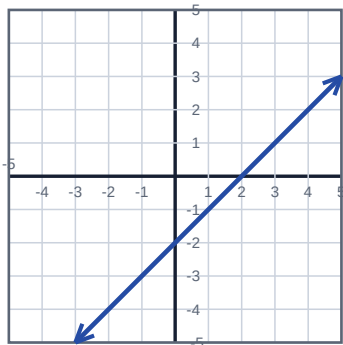
$$\text{Slope: } -\frac{3}{2}$$

$$\text{Equation: } y = -\frac{3}{2}x + 2$$

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

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

5. Points: (0, -2), (-1, -3) y-intercept: -2



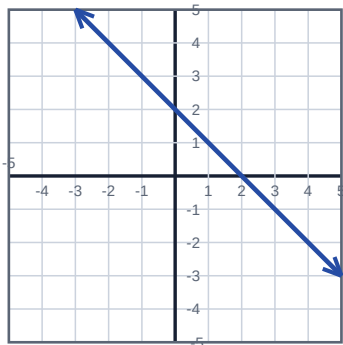
$$\text{Slope: } 1$$

$$\text{Equation: } y = x - 2$$

$$m = \frac{-3 - (-2)}{-1 - 0}$$

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

6. Points: (-1, 3), (-2, 4) y-intercept: 2



$$\text{Slope: } -1$$

$$\text{Equation: } y = -x + 2$$

$$m = \frac{4 - 3}{-2 - (-1)}$$

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

Math Sheet

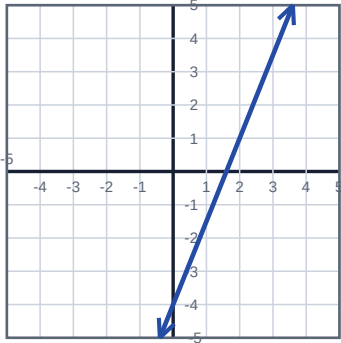
Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Lines from Two Points

Answer key

Use the two points and given y-intercept to complete each task.

7. Points: (2, 1), (0, -4) y-intercept: -4



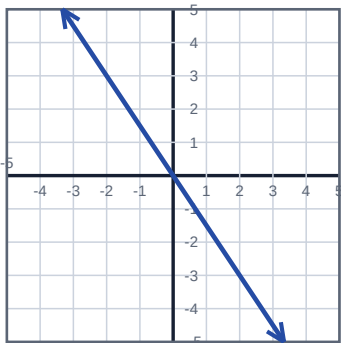
$$\text{Slope: } \frac{5}{2}$$

$$\text{Equation: } y = \frac{5}{2}x - 4$$

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

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

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



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

$$\text{Equation: } y = -\frac{3}{2}x$$

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

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