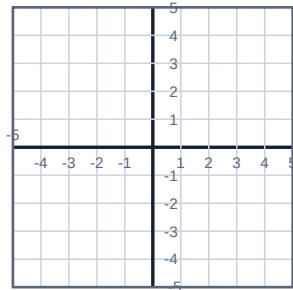


Graphing Lines from an Intercept and Point

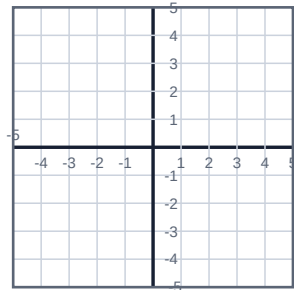
Use the y-intercept and point to complete each task.

1. y-intercept: 0 Point: (-1, -3)



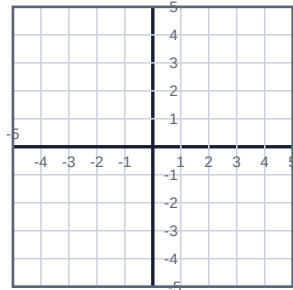
Slope: _____
Equation: _____

5. y-intercept: 0 Point: (-1, -1)



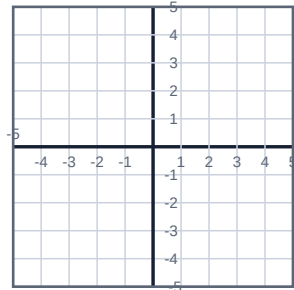
Slope: _____
Equation: _____

2. y-intercept: -3 Point: (-3, 3)



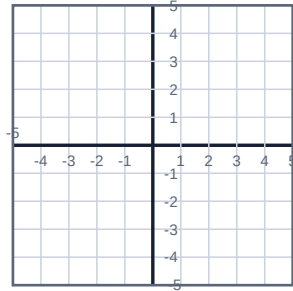
Slope: _____
Equation: _____

6. y-intercept: 2 Point: (-1, 5)



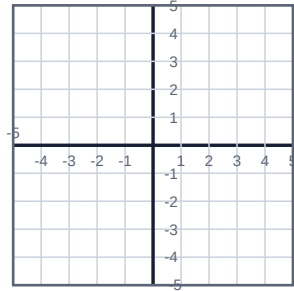
Slope: _____
Equation: _____

3. y-intercept: 4 Point: (-3, -4)



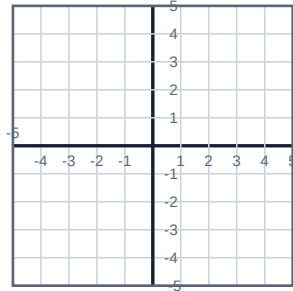
Slope: _____
Equation: _____

7. y-intercept: 3 Point: (-2, 0)



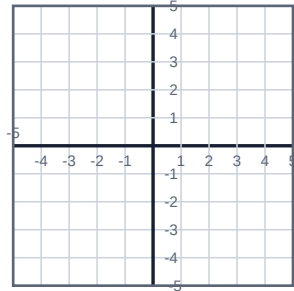
Slope: _____
Equation: _____

4. y-intercept: 2 Point: (-4, 4)



Slope: _____
Equation: _____

8. y-intercept: 1 Point: (3, -1)



Slope: _____
Equation: _____

Math Sheet

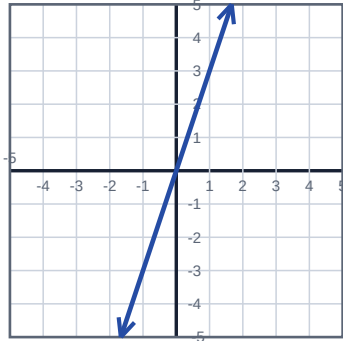
Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Lines from an Intercept and Point

Answer key

Use the y-intercept and point to complete each task.

1. y-intercept: 0 Point: (-1, -3)



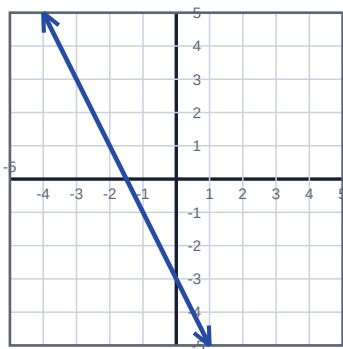
Slope: 3

Equation: $y = 3x$

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

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

2. y-intercept: -3 Point: (-3, 3)



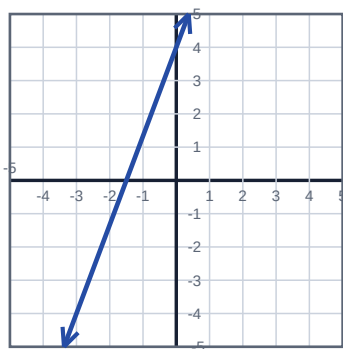
Slope: -2

Equation: $y = -2x - 3$

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

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

3. y-intercept: 4 Point: (-3, -4)



Slope: $\frac{8}{3}$

Equation: $y = \frac{8}{3}x + 4$

$$m = \frac{-4 - 4}{-3 - 0}$$

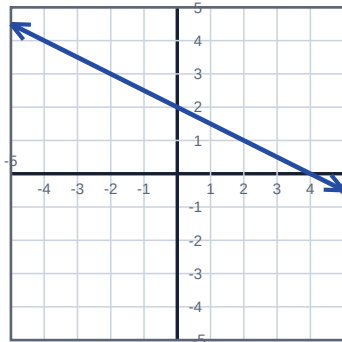
Use the change in y divided by the change in x, then find the intercept.

Graphing Lines from an Intercept and Point

Answer key

Use the y-intercept and point to complete each task.

4. y-intercept: 2 Point: (-4, 4)



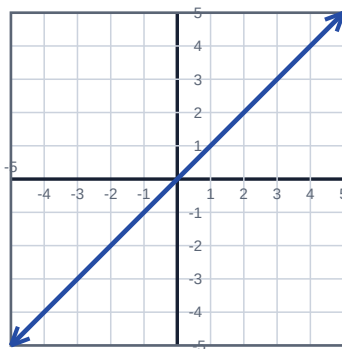
Slope: $-\frac{1}{2}$

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

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

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

5. y-intercept: 0 Point: (-1, -1)



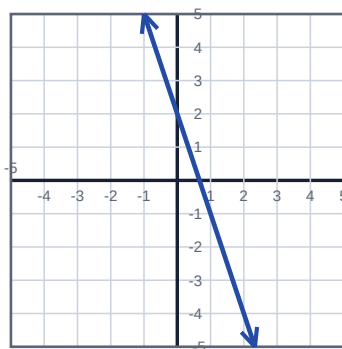
Slope: 1

Equation: $y = x$

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

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

6. y-intercept: 2 Point: (-1, 5)



Slope: -3

Equation: $y = -3x + 2$

$$m = \frac{5 - 2}{-1 - 0}$$

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

Math Sheet

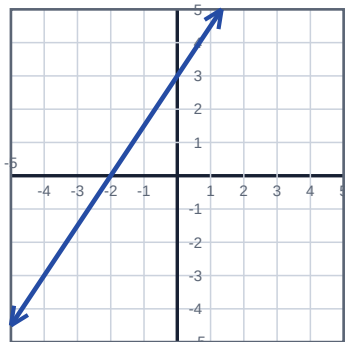
Name _____ Score _____ / 8 Teacher _____ Date _____

Graphing Lines from an Intercept and Point

Answer key

Use the y-intercept and point to complete each task.

7. y-intercept: 3 Point: (-2, 0)



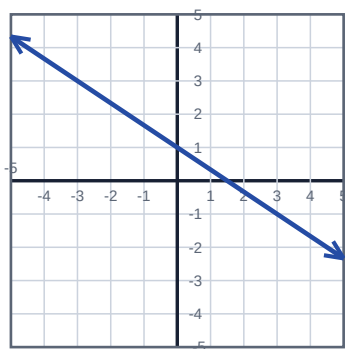
$$\text{Slope: } \frac{3}{2}$$

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

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

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

8. y-intercept: 1 Point: (3, -1)



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

$$\text{Equation: } y = -\frac{2}{3}x + 1$$

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

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