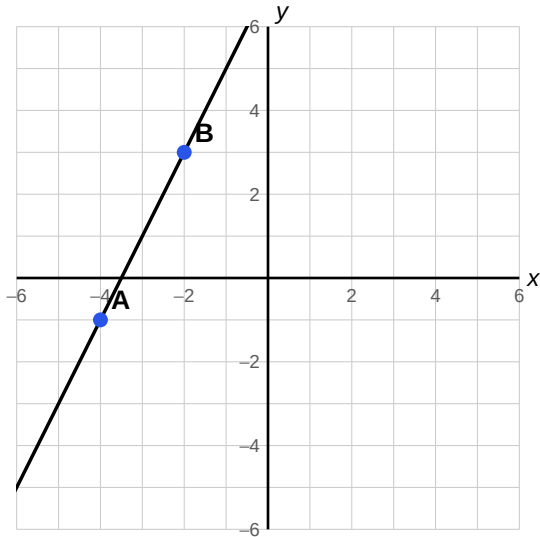


Slope from a graph

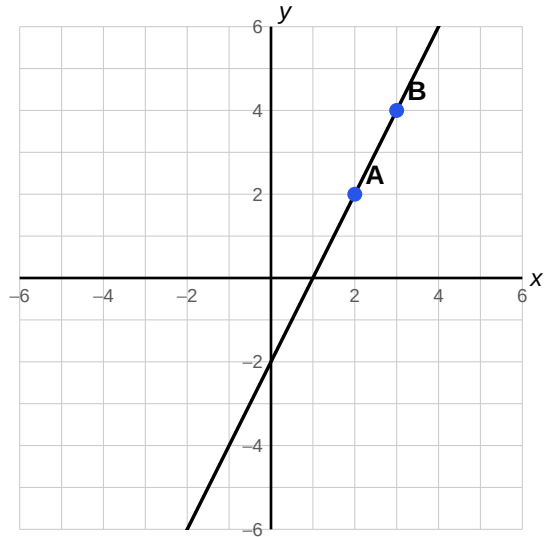
Find the slope of each line. Use the marked points.

1.



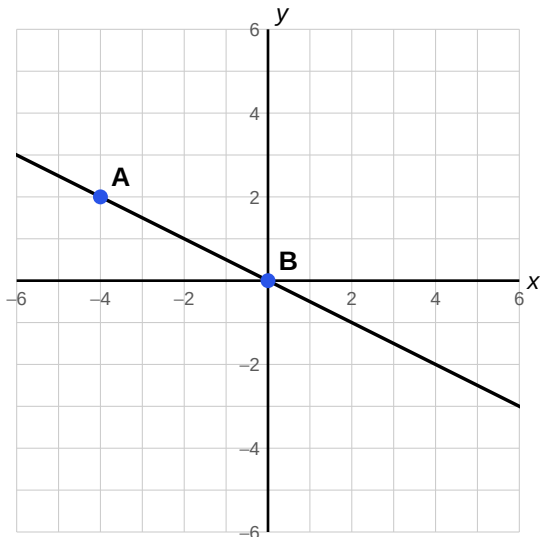
Slope = 2

2.



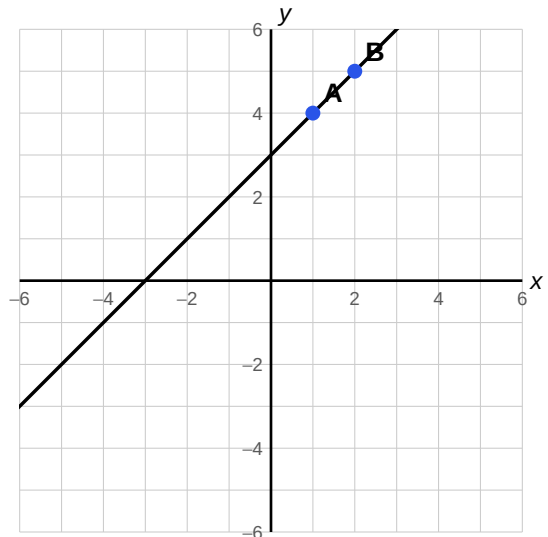
Slope = 2

3.



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

4.



Slope = 1

Slope from two points

Find the slope of the line through each pair of points.

1.

A(−9, 5) and B(−1, −2)

Slope = − $\frac{7}{8}$

2.

A(9, −6) and B(1, −9)

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

3.

A(3, −3) and B(4, −9)

Slope = −6

4.

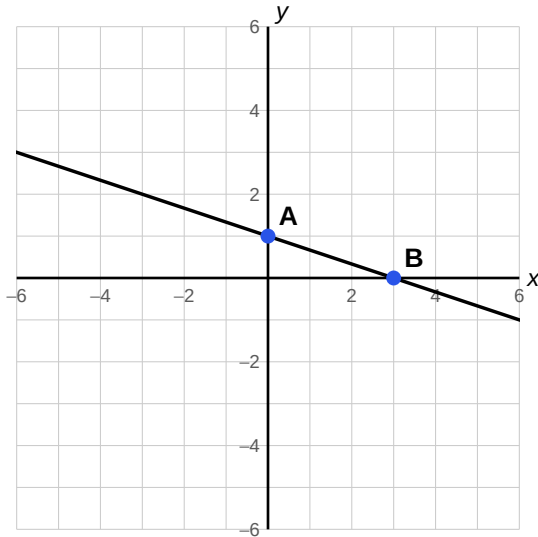
A(7, −2) and B(5, 6)

Slope = −4

Write $y = mx + b$

Find the slope and y-intercept, then write the equation in $y = mx + b$ form.

1.

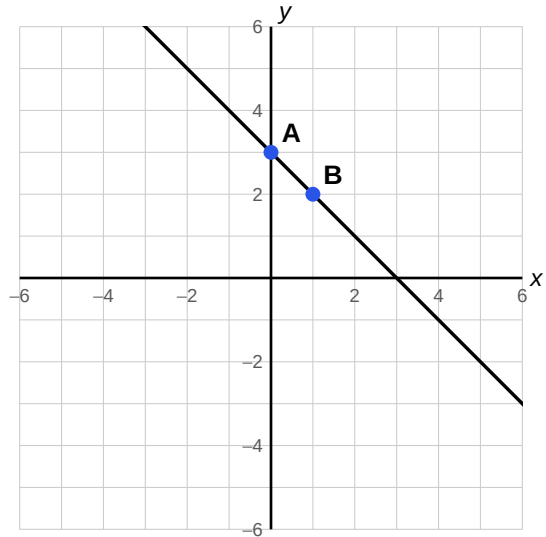


Slope = $-\frac{1}{3}$

y-intercept = 1

$y = -\frac{1}{3}x + 1$

2.

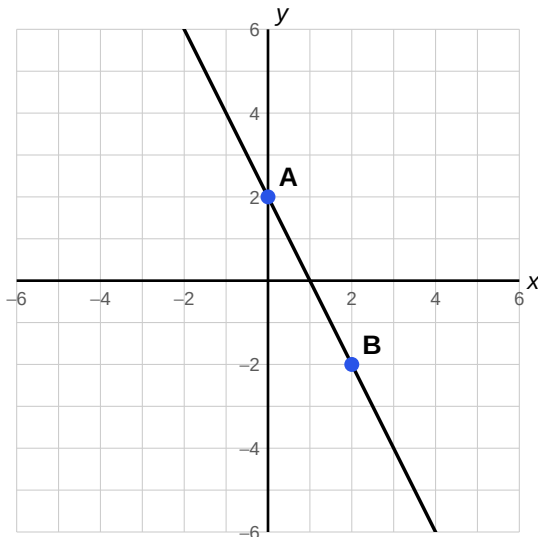


Slope = -1

y-intercept = 3

$y = -x + 3$

3.

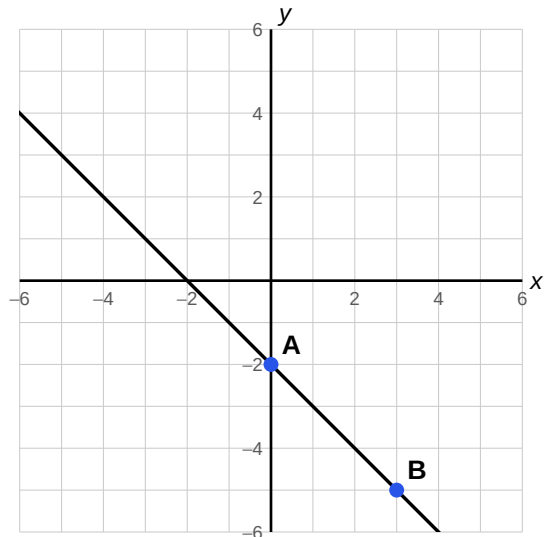


Slope = -2

y-intercept = 2

$y = -2x + 2$

4.



Slope = -1

y-intercept = -2

$y = -x - 2$