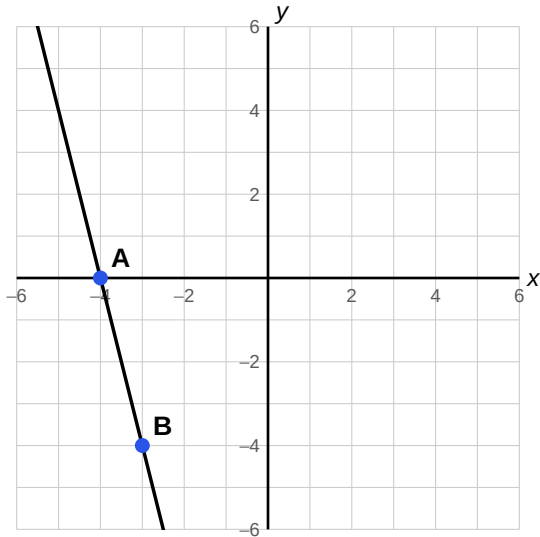


Slope from a graph

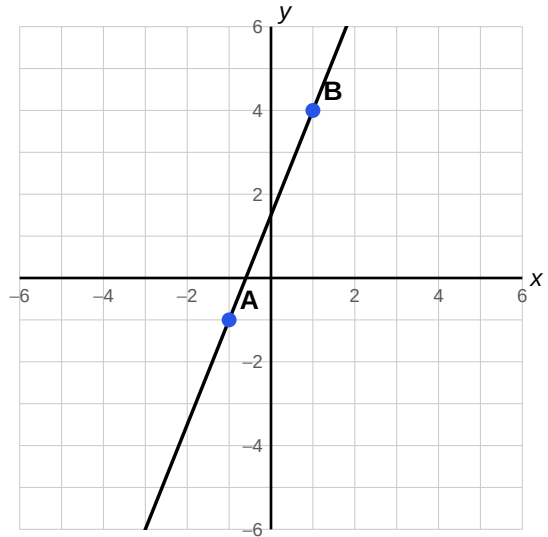
Find the slope of each line. Use the marked points.

1.



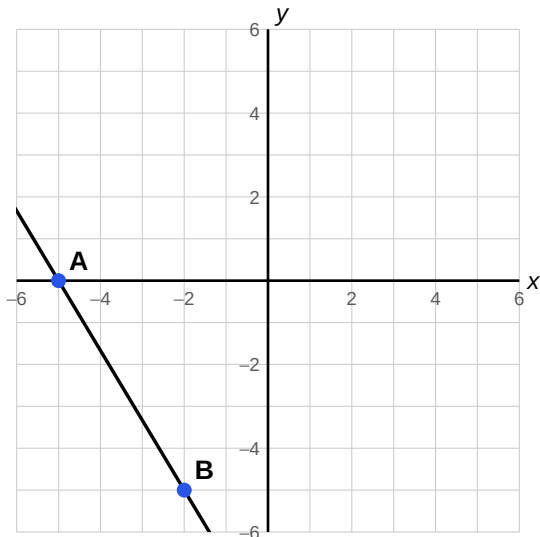
Slope = -4

2.



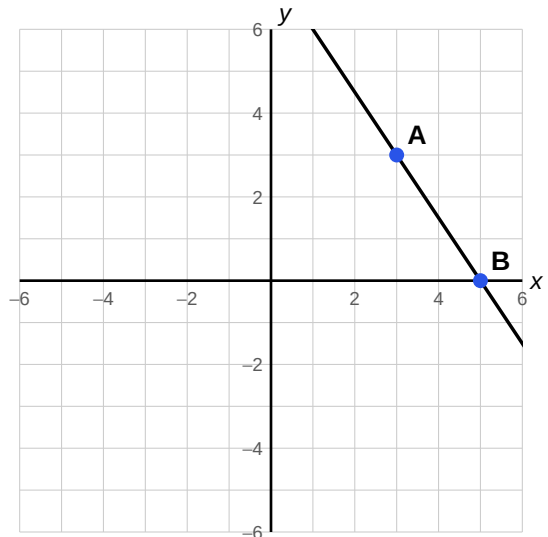
Slope = $\frac{5}{2}$

3.



Slope = $-\frac{5}{3}$

4.



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

Slope from two points

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

1.

A(2, 7) and B(8, -4)

Slope = $-\frac{11}{6}$

2.

A(5, 4) and B(7, 2)

Slope = -1

3.

A(9, 2) and B(2, 5)

Slope = $-\frac{3}{7}$

4.

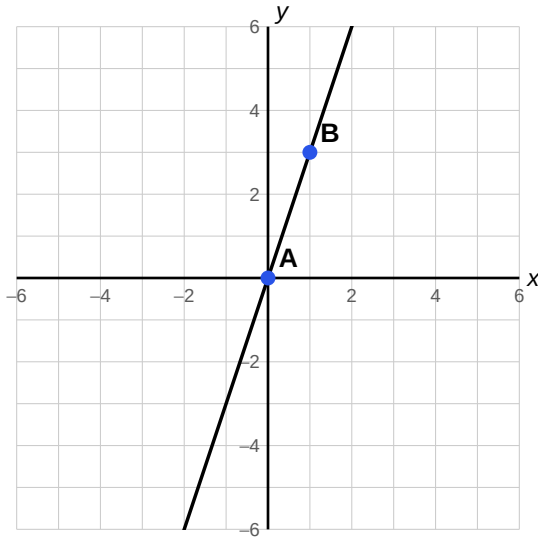
A(-4, 3) and B(5, 7)

Slope = $\frac{4}{9}$

Write $y = mx + b$

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

1.

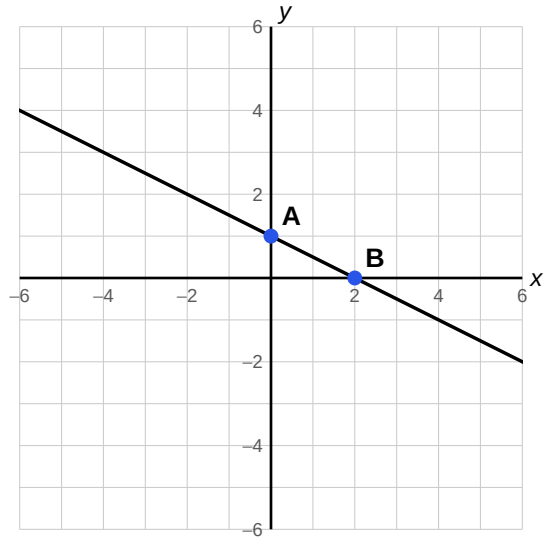


Slope = 3

y-intercept = 0

$y =$ $3x$

2.

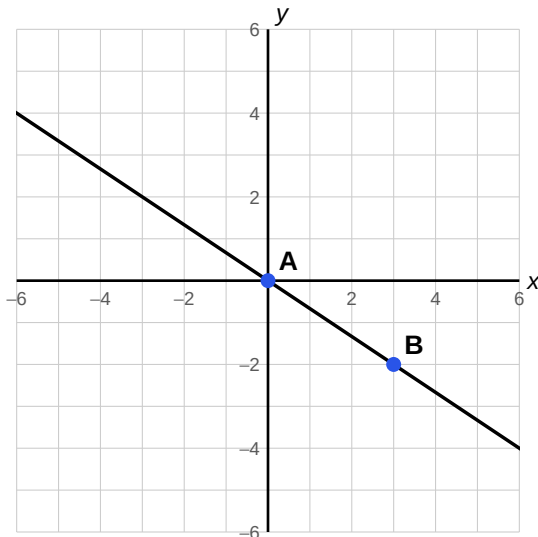


Slope = $-\frac{1}{2}$

y-intercept = 1

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

3.

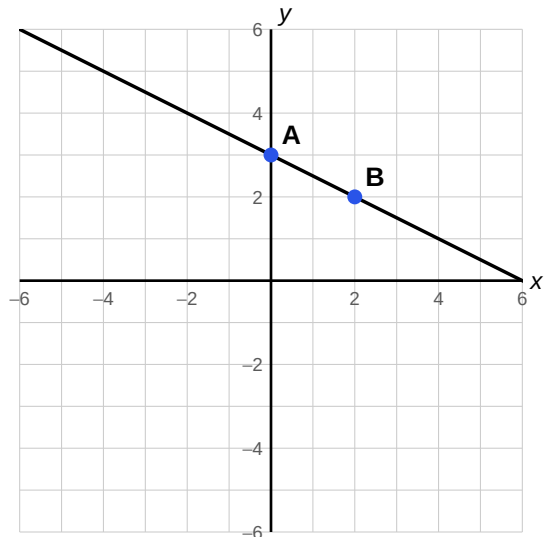


Slope = $-\frac{2}{3}$

y-intercept = 0

$y =$ $-\frac{2}{3}x$

4.



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

y-intercept = 3

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