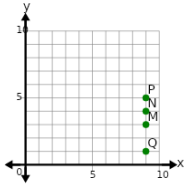




Solve systems of equations by graphing

1

For the equation $y = -0.778x + 10$, what point is at $x = 9$?



A Q

B P

C N

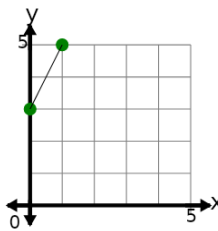
D M

2

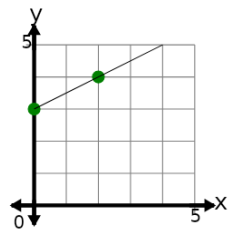
What graphed line shows this line equation?

$$y = 2x + 3$$

A

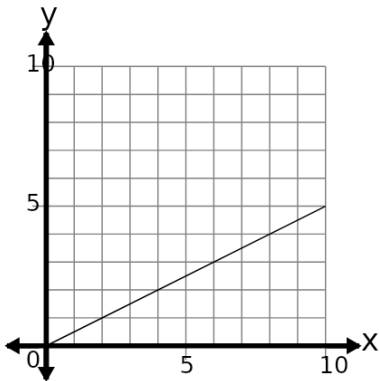


B



3

Select the equation that would result in the line on the graph as shown



A

$$y = 0.5x$$

B

$$y = -1x + 1.5$$

C

$$y = 1.5x - 1.5$$

D

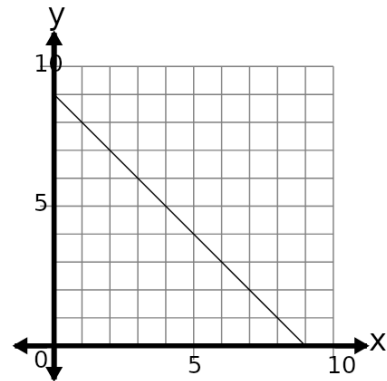
$$y = 1.5x$$

E

$$y = -1.5x + 1.5$$

4

Select the equation that would result in the line on the graph as shown



A

$$y = 3x + 12$$

B

$$y = -9x + 1$$

C

$$y = 2x + 9$$

D

$$y = -1x + 9$$

E

$$y = 2x + 6$$

5

The lines are parallel

A

One solution

B

Infinitely many solutions

C

Zero solutions

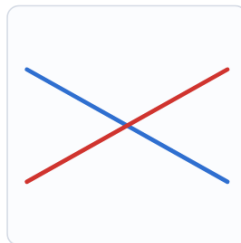
6

One solution

A



B





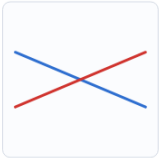
Solve systems of equations by graphing

7

Which graph matches this system of linear equations?

$$\begin{aligned}x + 4y &= 1 \\ x + 4y &= -1\end{aligned}$$

A



B

**8**

How many solutions does this system of linear equations have?



A Zero solutions

B One solution

C Infinitely many solutions

9

The lines are the same line

A

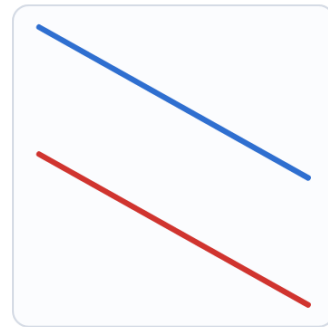
$$\begin{aligned}3x + 3y &= -7 \\ 9x + 9y &= -21\end{aligned}$$

B

$$\begin{aligned}4x + 4y &= -6 \\ 4x + 3y &= -3\end{aligned}$$

10

Which pair of linear equations matches this graph?



A

$$\begin{aligned}4x + 3y &= 6 \\ 4x + 3y &= 7\end{aligned}$$

B

$$\begin{aligned}3x + y &= -8 \\ 2x + 4y &= -4\end{aligned}$$

11

Find the intersection point of these two lines

$$\begin{aligned}y &= -2x - 3 \\ y &= 8x + 6\end{aligned}$$

A $(-5.9, 1.8)$ B $(1.1, -6.2)$ C $(0.1, -5.2)$ D $(-0.9, 2.8)$ E $(-0.9, -1.2)$ F $(-0.9, 0.8)$ **12**

Find the intersection point of these two lines

$$\begin{aligned}y &= 1x - 1 \\ y &= -1x + 3\end{aligned}$$

A $(1, -4)$ B $(0, -4)$ C $(0, 5)$ D $(-1, -4)$ E $(2, -4)$ F $(2, 1)$