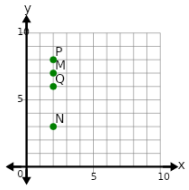
Name

Determine whether an ordered pair solves a linear system

1

For the equation y = 0.5x + 2, what point is at x = 2?



A	B	C	D
Q	P	M	N

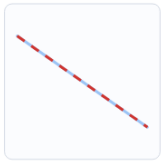
2

Which graph matches this system of linear equations?

$$4x + 2y = -3$$
$$4x + 2y = -2$$

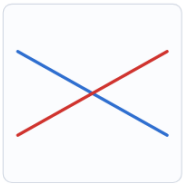
A

B



3

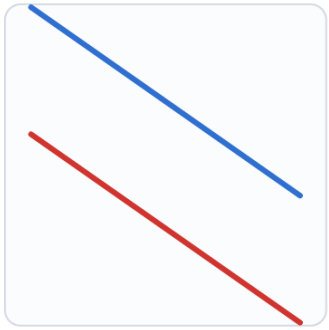
How many solutions does this system of linear equations have?



A	B	C
Zero solutions	One solution	Infinitely many solutions

4

Which pair of linear equations matches this graph?



A

$$2x + y = 4$$
$$2x + y = 1$$

B

$$x + y = -1$$
$$3x + y = 3$$

5

The lines are the same line

A

$$3x + 2y = -2$$
$$9x + 6y = -6$$

B

$$2x + y = 1$$
$$2x + y = 0$$

6

Zero solutions

A

$$x + 3y = 0$$
$$x + 3y = 1$$

B

$$x + 2y = -1$$
$$3x + 6y = -3$$

7

How many solutions does this system of linear equations have?

$$x + 4y = 6$$
$$2x + 8y = 12$$

A	B	C
One solution	Infinitely many solutions	Zero solutions

Name

Determine whether an ordered pair solves a linear system

8

How would you check whether (x, y) = (-2, 0) is a solution to this system of linear equations?

$$x + 2y = -2$$
$$3x + y = -6$$

A

$$(-1) + 2(0) = -2$$
$$3(-1) + (0) = -6$$

B

$$(-2) + 2(0) = -2$$
$$3(-2) + (0) = -6$$

C

$$(0) + 2(-2) = -2$$
$$3(0) + (-2) = -6$$

D

$$(-2) + 2(0) = -2$$
$$3x + y = -6$$

9

Is (x, y) = (3, 2) a solution to this system of linear equations?

$$3x + y = 5$$
$$x + 3y = 7$$

A	B
No	Yes

10

Find the intersection point of these two lines

$$y = 3x + 3$$
$$y = 4x - 0$$

A	$(1, 9)$	B	$(4, 8)$
C	$(0, 9)$	D	$(3, 12)$
E	$(2, 14)$	F	$(-1, 10)$

11

Find the intersection point of these two lines

$$y = 1x - 6$$
$$y = 8x - 2$$

A	$(-1.57, -3.57)$	B	$(-0.57, -6.57)$
C	$(-5.57, -8.57)$	D	$(-3.57, -7.57)$
E	$(0.43, -10.57)$	F	$(1.43, -4.57)$