Name

Identify the number of solutions to a linear system

1

Is (x, y) = (2, -1) a solution to this system of linear equations?

$$3x + 3y = 6$$
$$4x + 4y = 8$$

A Yes

B No

2

The lines are parallel

A Zero solutions

B Infinitely many solutions

C One solution

3

One solution

A The lines are parallel

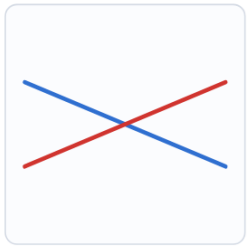
B The lines are the same line

C The lines cross at one point

4

Zero solutions

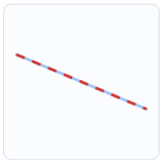
A 

B 

5

Which graph matches this system of linear equations?

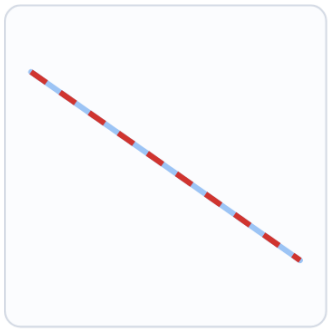
$$x + y = -5$$
$$3x + 3y = -15$$

A 

B 

6

Which pair of linear equations matches this graph?



A
$$4x + 3y = -4$$
$$x + y = -5$$

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

7

The lines are the same line

A
$$2x + 2y = 6$$
$$2x + 3y = 0$$

B
$$4x + y = 5$$
$$12x + 3y = 15$$

Name

Identify the number of solutions to a linear system

8

How many solutions does this system of linear equations have?

$$x + 2y = 5$$
$$3x + 3y = 5$$

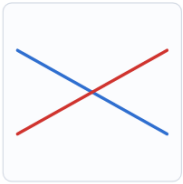
A Zero solutions

B Infinitely many solutions

C One solution

9

How many solutions does this system of linear equations have?



A Zero solutions | B One solution | C Infinitely many solutions

10

One solution

A

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

B

$$3x + 3y = 6$$
$$3x + 2y = 5$$

11

How many solutions does this system of linear equations have?

$$4x + 3y = 8$$
$$4x + 3y = 5$$

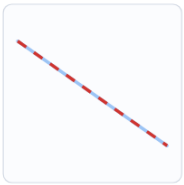
A One solution

B Zero solutions

C Infinitely many solutions

12

How many solutions does this system of linear equations have?



A Infinitely many solutions | B One solution | C Zero solutions