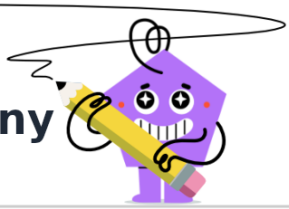
Name



Identify equations with infinitely many solutions

1

How would you check whether x = 1 is a solution to this linear equation?

$$3(3x+3)=4x+14$$

A $3(3(2)+3)=4(2)+14$

B $33(1)+3=4(1)+14$

C $3(3(1)+3)=4x+14$

D $3(3(1)+3)=4(1)+14$

2

Is x = 0 a solution to this linear equation?

$$2(2x+5)=3x+11$$

A Yes

B No

3

Zero solutions

A $4(4x+6)=16x+24$

B $3(2x+1)=6x+6$

4

How many solutions does this linear equation have?

$$3(3x+3)=9x+8$$

A Infinitely many solutions

B Zero solutions

C One solution

5

One solution

A $4(2x+3)=2x+4$

B $4(2x+3)=8x+16$

6

How many solutions does this linear equation have?

$$2(4x+5)=3x+2$$

A One solution

B Zero solutions

C Infinitely many solutions

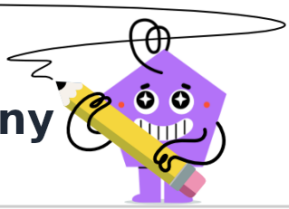
7

Infinitely many solutions

A $4(3x+1)=3x+6$

B $4(3x+1)=12x+4$

Name



Identify equations with infinitely many solutions

8
How many solutions does this linear equation have?

$$3(3x+4)=9x+12$$

A Infinitely many solutions

B Zero solutions

C One solution

9
One solution

A $4(3x+5)=6x+3$

B $4(3x+3)=12x+12$

10
How many solutions does this linear equation have?

$$3(4x+2)=7x$$

A One solution

B Zero solutions

C Infinitely many solutions

11
One solution

A $3(3x+4)=2x+2$

B $4(2x+4)=8x+16$

12
How many solutions does this linear equation have?

$$2(4x+2)=8x+8$$

A Infinitely many solutions

B Zero solutions

C One solution