

Verify solutions to linear equations

- 1** How would you check whether $x = 5$ is a solution to this linear equation?

$$4(4x + 3) = 6x + 62$$

- | | |
|---|---------------------------|
| A | $44(5) + 3 = 6(5) + 62$ |
| B | $4(4(5) + 3) = 6x + 62$ |
| C | $4(4(6) + 3) = 6(6) + 62$ |
| D | $4(4(5) + 3) = 6(5) + 62$ |

- 2** Is $x = 0$ a solution to this linear equation?

$$3(2x + 1) = 4x + 3$$

- | | |
|-----|----|
| A | B |
| Yes | No |

- 3** Is $x = 5$ a solution to this linear equation?

$$2(2x + 6) = 6x + 2$$

- | | |
|-----|----|
| A | B |
| Yes | No |

- 4** Is $x = 6$ a solution to this linear equation?

$$2(4x + 2) = 2x + 28$$

- | | |
|-----|----|
| A | B |
| Yes | No |

- 5** Is $x = -6$ a solution to this linear equation?

$$2(4x + 5) = 4x - 6$$

- | | |
|----|-----|
| A | B |
| No | Yes |

- 6** Is $x = -3$ a solution to this linear equation?

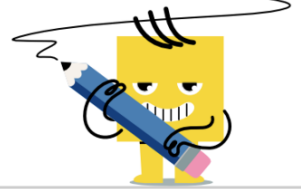
$$4(3x + 5) = 2x$$

- | | |
|-----|----|
| A | B |
| Yes | No |

- 7** Is $x = 7$ a solution to this linear equation?

$$2(4x + 5) = 4x + 26$$

- | | |
|----|-----|
| A | B |
| No | Yes |



Verify solutions to linear equations

8Is $x = -6$ a solution to this linear equation?

$$2(3x + 2) = 2x - 8$$

A

Yes

B

No

9Is $x = 4$ a solution to this linear equation?

$$3(2x + 4) = 2x + 28$$

A

No

B

Yes

10Is $x = 1$ a solution to this linear equation?

$$4(2x + 1) = 2x + 22$$

A

No

B

Yes

11Is $x = 4$ a solution to this linear equation?

$$3(3x + 6) = 5x + 26$$

A

No

B

Yes

12Is $x = 3$ a solution to this linear equation?

$$4(2x + 4) = 6x + 24$$

A

Yes

B

No