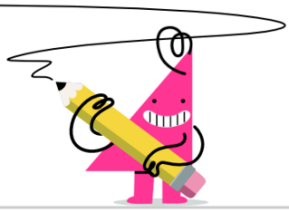
Name



Verify solutions to equations by substitution

1

Solve for the missing value

$$65 - 12 - ? = 34$$

A	B	C
28	22	17
D	**E**	**F**
19	15	11

2

Solve for the missing value

$$90 \div ? = 9$$

A	B	C
14	1,000	80
D	**E**	**F**
0	10	12

3

What does this equation become when c=8, b=2, m=4

$$\frac{3c}{2b + 2m}$$

A

$$\frac{3 \cdot 8}{2 \cdot 2 - 2 \cdot 4}$$

B

$$\frac{3 \cdot 8}{2 \cdot 2 + 2 \cdot 4}$$

4

What does this equation become when x=6, y=2, r=-3

$$\frac{6x - 4r}{6y}$$

A

$$\frac{6 \cdot 6 - 4 \cdot (-3)}{6 \cdot 2}$$

B

$$6^6 + 2^6$$

5

What is the value of this equation when b=4, r=2, p=-7

$$\frac{4b - 2p}{3r}$$

A	B
-5	76
C	**D**
-4	5
E	**F**
$-5b$	-2

6

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

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

A

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

B

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

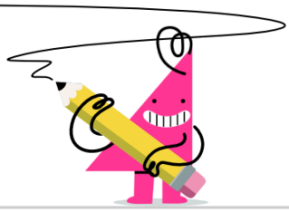
C

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

D

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

Name



Verify solutions to equations by substitution

7

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

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

A	B
Yes	No

8

Is x = 4 a solution to this linear equation?

$$2(3x+2)=2x+12$$

A	B
No	Yes

9

Is x = 0 a solution to this linear equation?

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

A	B
Yes	No

10

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

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

A	B
No	Yes

11

Is x = 3 a solution to this linear equation?

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

A	B
No	Yes

12

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

$$2(4x+3)=6x+2$$

A	B
No	Yes