

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Simplify the expression by combining like terms.

1) $1.1y + 8 + 7y - 1.1$

2) $\frac{2}{7} + \frac{1}{2}y - \frac{1}{2} + \frac{1}{2}y$

Multiply.

3) $\frac{3}{4}(-20n)$

4) $7(y - 7)$

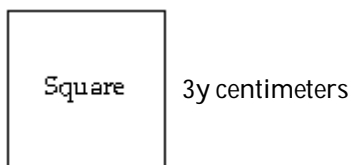
Simplify the expression.

5) $-5(4y + 9) - 9$

6) $10x + 8(x + 1) - 3$

Solve.

7) Find the area of the figure. Use $A = s^2$.



Decide whether the given number is a solution of the given equation.

8) Is -19 a solution of $8c + 4 - 7c = -20 + 5$?

Evaluate the expression for the given replacement values.

9) $x^2 - 3y$ for $x = 4$ and $y = -3$

10) $-x - z$ for $x = -5$ and $z = 9$

11) $|x| - |z| - 9.7$ for $x = -4$ and $z = 2$

12) $\frac{3x - y}{2z}$ for $x = -4$, $y = 2$, and $z = -2$

Decide whether the given number is a solution of the given equation.

13) Is 12 a solution of $3(x - 4) = 26$?

Solve.

$$14) 5 = a + 3$$

$$15) x + \frac{1}{11} = \frac{10}{11}$$

$$16) x - \frac{1}{4} = \frac{3}{4}$$

$$17) x + 5 = -23 + 7$$

$$18) 7x - 6x - 9 = -9$$

$$19) 3x + 4 - 2x = 10 - 29$$

$$20) x + \frac{1}{3} = -\frac{2}{9}$$