

$$\textcircled{8} \quad 2x(7+3) = 10$$

$$\begin{aligned} & \cancel{x=0.3} \\ & 2 \cdot 0.3 \cdot 10 \stackrel{?}{=} 10 \\ & \quad \checkmark \\ & 0.6 \cdot 10 \stackrel{?}{=} 10 \\ & \quad \checkmark \\ & 6 \neq 10 \end{aligned}$$

$$\begin{aligned} & \cancel{x=0.4} \\ & 2 \cdot 0.4 \cdot 10 \stackrel{?}{=} 10 \\ & \quad \checkmark \\ & 0.8 \cdot 10 \stackrel{?}{=} 10 \\ & \quad \checkmark \\ & 8 \neq 10 \end{aligned}$$

$$\begin{aligned} & \textcircled{x=0.5} \\ & 2 \cdot 0.5 \cdot 10 \stackrel{?}{=} 10 \\ & \quad \checkmark \\ & 1 \cdot 10 \stackrel{?}{=} 10 \\ & \quad \checkmark \\ & 10 = 10 \\ & \quad \checkmark \end{aligned}$$

$$\textcircled{9} \quad 3x = 8 + x$$

$$\begin{aligned} & \cancel{x=3} \\ & 3 \cdot 3 \stackrel{?}{=} 8 + 3 \\ & \quad \checkmark \quad \checkmark \\ & 9 \stackrel{?}{\neq} 11 \end{aligned}$$

$$\begin{aligned} & \textcircled{x=4} \\ & 3 \cdot 4 \stackrel{?}{=} 8 + 4 \\ & \quad \checkmark \quad \checkmark \\ & 12 = 12 \\ & \quad \checkmark \end{aligned}$$

$$\begin{aligned} & \cancel{x=5} \\ & 3 \cdot 5 \stackrel{?}{=} 8 + 5 \\ & \quad \checkmark \quad \checkmark \\ & 15 \neq 13 \end{aligned}$$

$$\textcircled{12} \quad x = 8$$

NONE

~~$x = 5$~~

~~$x = 6$~~

~~$x = 7$~~

$5 \neq 8$

$6 \neq 8$

$7 \neq 8$

5.1 Review

Determine whether the statement is true or false:

$1.) 2 + 7 + 3 = 12$

$$\begin{array}{l} \checkmark \\ 9 + 3 \\ \checkmark \quad \checkmark \\ 12 = 12 \end{array}$$

TRUE

$2.) 44 \div 11 = 4$

$$\begin{array}{l} \checkmark \\ 4 = 4 \\ \checkmark \end{array}$$

TRUE

$3.) 15 \times 2 = 35$

$$\begin{array}{l} \checkmark \\ 30 \neq 35 \end{array}$$

FALSE

5.1 Review

Is $x = 6$ or $x = 9$ a solution of the equation?

$$x + 12 = 7 \cdot 3$$

$$\begin{array}{l} x = 6 \\ 6 + 12 = 7 \cdot 3 \\ \checkmark \quad \quad \checkmark \\ 18 \neq 21 \end{array}$$

$$\begin{array}{l} x = 9 \\ 9 + 12 = 7 \cdot 3 \\ \checkmark \quad \quad \checkmark \\ 21 = 21 \\ \checkmark \end{array}$$

5.1 Review

Is $x = 6$ or $x = 9$ a solution of the equation?

$$4x = 30 - 6$$

$$\begin{array}{l} x = 6 \\ 4 \cdot 6 = 30 - 6 \\ \checkmark \quad \quad \checkmark \\ 24 = 24 \\ \checkmark \end{array}$$

$$\begin{array}{l} x = 9 \\ 4 \cdot 9 = 30 - 6 \\ \checkmark \\ 36 \neq 24 \end{array}$$

5.1 Review

Is $x = 6$ or $x = 9$ a solution of the equation?

$$19 = 2x + 7$$

$$x = 6$$

$$19 = 2 \cdot 6 + 7$$

$$12 + 7$$

$$19 = 19$$

$$x = 9$$

$$19 = 2 \cdot 9 + 7$$

$$18 + 7$$

$$19 \neq 25$$

5.1 Review

Use substitution to decide if the value is a solution of the equation.

$$p + 13 = 75$$

$$p = 52$$

$$52 + 13 = 75$$

$$65 \neq 75$$

FALSE

5.1 Review

Use substitution to decide if the value is a solution of the equation.

$$m - 22.7 = 33$$

$$m = 55.7$$

$$55.7 - 22.7 = 33$$

✓

$$33 = 33$$

✓

TRUE

5.1 Review

Use substitution to decide if the value is a solution of the equation.

$$14 \cdot 3 = 11.5 + x$$

$$x = 30.5$$

$$14 \cdot 3 = 11.5 + 30.5$$

✓

✓

$$42 = 42$$

✓

TRUE

5.1 Review

Use substitution to decide if the value is a solution of the equation.

$$20 \div 2 = n - 2.5$$

$$n = 12.5$$

$$20 \div 2 = 12.5 - 2.5$$

$$10 = 10$$

TRUE

5.1 Review

Use substitution to decide if the value is a solution of the equation.

$$\frac{w}{4} = 37 - 34$$

$$w = 8$$

$$\frac{8}{4} = 37 - 34$$

$$2 \neq 3$$

FALSE

5.1 Review

Use substitution to decide if the value is a solution of the equation.

$$(m + 7) - 5 = 95$$

$$m = 93$$

$$(93 + 7) - 5 = 95$$

$$100 - 5$$

$$95 = 95$$

TRUE