Linear Equations with Parenthesis

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve the equation symbolically.

1) $9x - (6x - 1) = 2$ 1) _____

A) $\frac{1}{15}$ B) $\frac{1}{3}$ C) $-\frac{1}{15}$ D) $-\frac{1}{3}$

2) $9x - (3x - 1) = 2$ 2) _____

A) $-\frac{1}{6}$ B) $\frac{1}{12}$ C) $-\frac{1}{12}$ D) $\frac{1}{6}$

Solve using the addition and multiplication principles together.

3) $5(y + 3) = 6(y - 6)$ 3) _____

A) 51 B) 21 C) –51 D) –21

4) $3(2z - 5) = 5(z + 2)$ 4) _____

A) –5 B) 25 C) –2 D) 5

5) $4x + 4(3x - 3) = 6 - 2x$ 5) _____

A) $-\frac{3}{7}$ B) $-\frac{1}{3}$ C) – 1 D) 1

6) $-9x + 4(-3x - 2) = -23 - 6x$ 6) _____

A) $\frac{31}{27}$ B) 1 C) $\frac{31}{15}$ D) – 1

Solve the linear equation.

7) $4(x + 5) + 13 = 5(x + 4) + 14$ 7) _____

A) {12} B) {7} C) {–1} D) {17}

8) $23 - (3y + 1) = 2(y - 1) + 3y$ 8) _____

A) $\left\{\frac{25}{8}\right\}$ B) $\left\{\frac{1}{3}\right\}$ C) {12} D) {3}

9) $(-8x - 1) - 6 = -7(x + 7)$ 9) _____

A) {42} B) {14} C) {– 54} D) {– 42}

10) $3x + 1 + 6(x + 1) = 4x - 2$ 10) _____

A) $\left\{-\frac{7}{3}\right\}$ B) {– 3} C) $\left\{-\frac{7}{5}\right\}$ D) $\left\{-\frac{9}{5}\right\}$

11) $2(x + 5) + 8 = 4(x + 3) + 10$ 11) _____

A) {4} B) {–2} C) {8} D) {12}

Answer Key
Testname: LINEAR EQUATIONS WITH PARENTHESIS

1) B
2) D
3) A
4) B
5) D
6) B
7) C
8) D
9) A
10) D
11) B