

Answers

_____ Correct / 12 Total

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

Mid-Test

The following questions are multiple-choice. Read carefully and write your answer (**A**, **B**, **C**, or **D**) on the answer sheet.

1. Evaluate the following expression and select the correct value from the choices below:

$$6(8 - 4) + 18 \div 6$$

- A** 47
- B** 27
- C** 7
- D** 1

2. Select the expression below that is equivalent to the given expression:

$$2 + 9(2 - 9)$$

- A** $2(9)(2) - 9$
- B** $2(9)(2 - 9)$
- C** $2 + 9(2) - 9(9)$
- D** $(2 + 9)(2 - 9)$

3. Evaluate the following expression for $x = -4$ and select the correct response:

$$2x - 4 + x + 3$$

- A** -7
- B** -13
- C** 11
- D** 3

Mid-Test

4. Which of the following expressions is equivalent to the given expression?

$$p + p + 1 + p + 5 + p + p + p$$

A $6p + 6$

B $6p + 4$

C $6p$

D 6

5. Use a graphing calculator to select the equivalent expression.

$$4x - 5 + 3x - 4$$

A $8x + 8$

B $12x + 20$

C $x - 1$

D $7x - 9$

6. Completely simplify the following expression and select the correct response below:

$$2(3b + 4) - 1(6 + 8b)$$

A $14b - 14$

B $-2b + 2$

C $-5b - 2$

D $14b - 2$

Mid-Test

7. Solve for the value of x in the following equation: $\frac{x}{5} = -2$
- A $x = -3$
 - B $x = \frac{2}{5}$
 - C $x = -10$
 - D $x = 10$
8. Solve for the value of q in the following equation: $9 = 3q - 6$
- A $q = 5$
 - B $q = -5$
 - C $q = 3$
 - D $q = -3$
9. Solve for the value of a in the following equation: $6a - 9 = 3a$
- A $a = 9$
 - B $a = -3$
 - C $a = 3$
 - D $a = -9$
10. Solve for the value of m in the following equation: $5m - 3 = -3m - 3$
- A $m = 5$
 - B $m = -3$
 - C $m = 0$
 - D $m = 3$

Mid-Test

- 11.** Use a graphing calculator to solve for the value of r in the following equation:

$$-2r - 5 = 2r + 15$$

A $r = 5$

B $r = -5$

C $r = 15$

D $r = 0$

- 12.** Select any method to solve for the value of w in the following equation:

$$-3w + 8 = -4w + 2$$

A $w = 6$

B $w = -6$

C $w = 26$

D $w = -10$

Answer Key

Item	Correct Answer	Standard	Lesson
1.	B	7.2(E)	1
2.	C	7.2(E)	2
3.	B	A.3(A)	3
4.	A	A.3(A)	4
5.	D	A.1(D)	5
6.	B	A.4(A)	6
7.	C	8.2(A)	7
8.	A	8.2(A)	8
9.	C	8.2(A)	9
10.	C	8.2(A)	10
11.	B	8.4(B)	11
12.	B	8.4(B)	12