

Student: _____
Date: _____
Time: _____

Instructor: courtney trabue
Course: GMC LSS Mathematics
Book: Martin-Gay: Developmental
Mathematics

Assignment: MAT 097 Simplifying
Expressions (87)

1. Simplify the expression by combining any like terms.

$$5b + 4b$$

$$5b + 4b = \square$$

2. Simplify the expression by combining any like terms.

$$m + 5m + 7m - 9$$

$$m + 5m + 7m - 9 = \square$$

3. Simplify the expression by combining like terms.

$$3.7x - 3 + x - 4.4$$

$$3.7x - 3 + x - 4.4 = \square$$

4. Simplify the expression.

$$9m^2 + 10m^2 - 5m^2$$

$$9m^2 + 10m^2 - 5m^2 = \square$$

5. Simplify the expression. First, use the distributive property to remove any parentheses.

$$6(x + 1)$$

$$6(x + 1) = \square$$

6. Simplify the expression. First, use the distributive property to remove any parentheses.

$$-(-3y - 7z - 8)$$

$$-(-3y - 7z - 8) = \square$$

7. Remove the parentheses and simplify the expression.

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

$$2(4x + 3) - 4 = \square$$

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8. Remove the parentheses and simplify the expression.

$$3(4m+8) - 4(m+1)$$

$$3(4m+8) - 4(m+1) = \square$$

9. Subtract $9x - 8$ from $3x + 4$.

$$9x - 8 \text{ subtracted from } 3x + 4 \text{ is } \square. \text{ (Simplify your answer.)}$$

10. Remove parentheses and simplify the expression.

$$\frac{1}{2}(7y-1) + \frac{1}{4}(2y+5)$$

$$\frac{1}{2}(7y-1) + \frac{1}{4}(2y+5) = \square$$

(Simplify your answer. Use integers or fractions for any numbers in the expression.)

11. Simplify the expression.

$$-6 - 5(-2m+7)$$

$$-6 - 5(-2m+7) = \square$$

12. Simplify the expression.

$$-2.3(4p-2) - 4.8p$$

$$-2.3(4p-2) - 4.8p = \square$$

13. Remove parentheses and simplify the expression.

$$-2(5z+6) - 4(3z-5) - 10z$$

$$-2(5z+6) - 4(3z-5) - 10z = \square$$

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14. Remove the parentheses and simplify the expression.

$$\frac{1}{3}(12z + 3) - (z - 7)$$

$$\frac{1}{3}(12z + 3) - (z - 7) = \square$$

15. Perform the indicated operation.

Add $7x + 8$ to $5x + 7$.

The answer is \square . (Simplify your answer.)

16. Perform the indicated operation.

Subtract $9x - 5$ from $6x - 2$.

The answer is \square . (Simplify your answer.)

17. Write the following phrase as an algebraic expression and simplify if possible. Let x represent the unknown number.

Two-thirds of a number, increased by three

The answer is \square .

18. Write the following phrase as an algebraic expression and simplify if possible. Let x represent the unknown number.

The sum of 5 times a number and -9 , added to 7 times a number

The answer is \square .

19. Write the following phrase as an algebraic expression and simplify if possible. Let x represent the unknown number.

Two times the sum of a number and eight

The answer is \square .