

Name _____

Date _____

Review for Simplifying Expressions Quiz (Lessons 43 – 49)

Directions: Simplify the following expressions by combining like terms.

1. $14x - 11x - 6x$	2. $11x + 2 - 9 - 3x$	3. $-4x - x + 3 - 9$
4. $2x - x + 5x$	5. $6x + 2x - 8 - 3$	6. $5 - 2x + 3 + 8x$
7. $-x + 9 + 10x - 12$	8. $3 - 5x + 7 - 2x$	9. $-4 + x - 8x + 2$
10. $2 - 3x - x - 6$	11. $3x + 7 - 5x$	12. $15x + 8 - 17x - 10$
13. $3 - x + 5 - 3x$	14. $-2 + 11x - 7 - 8x$	15. $4x - 3x + 7x - 5$

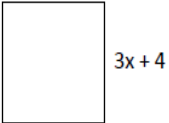
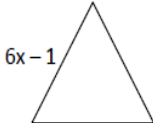
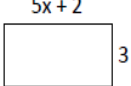
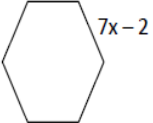
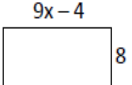
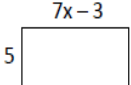
Directions: Simplify the following expressions by using the distributive property.

1. $-5(7 + x)$	2. $5(3x + 1)$	3. $7(-2x + 6)$
4. $2(8x + 10)$	5. $-7(-2x - 3)$	6. $9(-5 - x)$
7. $6(-7x + 1)$	8. $-(x + 4)$	9. $4(3x - 6)$

Directions: Simplify the following expressions by using the distributive property and/or by combining like terms.

1. $-3(2x + 7) + 15$	2. $5(3x - 7) + 15$	3. $2(x - 6) + 7$
4. $8(-3x + 2) - 12$	5. $3 - 4(x + 7)$	6. $9(2x - 4) - 20x$
7. $9 + 5(x - 4) - 3x$	8. $x - 2(4x + 3)$	9. $-2(x - 8) - 11$
10. $5(x + 2) - 6x$	11. $6(3x + 2) - 15$	12. $8x + 3(2x - 7)$

Directions: Find the area or perimeter of each figure.

1) Find the perimeter of the square: 	2) Find the perimeter of the equilateral triangle: 	3) Find the area of the rectangle: 
4) Find the perimeter of the regular hexagon: 	5) Find the area of the rectangle: : 	6) Find the area of the rectangle: 

Directions: Identify the variable, coefficient and constant of each expression.

1) $3x - 9$ Coefficient: _____ Variable: _____ Constant: _____	2) $-8x + 15$ Coefficient: _____ Variable: _____ Constant: _____	3) $-23 + 5x$ Coefficient: _____ Variable: _____ Constant: _____
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Directions: Translate the following sentences into an expression or equation. Use "n" as the variable.

1) Five times a number, increased by 6. _____

2) Eight subtracted from a number. _____

3) The quotient of a number and 12 is 48. _____

Directions: Factor each expression using GCF.

1) $4x + 12$	2) $3x - 27$	3) $-9x + 63$	4) $-5x - 30$
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