

I. Finish the given property.

1. Commutative Property of Addition	$(4 + 3) + 9 =$ _____
2. Associative Property of Multiplication	$(6 \cdot 3) \cdot 5 =$ _____
3. Distributive Property	$4(2 + x) =$ _____
4. Identity Property of Addition	$7 =$ _____

II. Simplify

5. $4 + 2y - 8y - y + 3$ _____ _____	6. $-5r + 14r$ _____
7. $5 + 2(5n - 3)$ _____	8. $5(2 - b) - 6$ _____
9. $7(2 - 4n)$ _____	10. $2(5f + 3) + 6f$ _____
11. $\frac{1}{3}(9 - 12b)$ _____	

III. Write each as an algebraic equation.

11. The sum of four times a number b and 2 _____

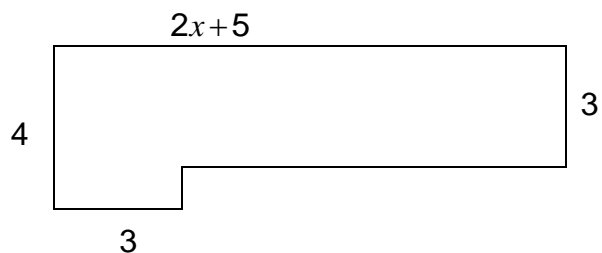
12. 4 less than the product of 2 and f _____

13. The product of 2 and the difference of f and 4 _____

14. The quotient of 7 and c is 8 _____

15. The sum of k and 18 is five _____

Use the figure to answer the following questions. Circle your answers.



12. Write an expression for the perimeter in simplified form.

13. Calculate the perimeter if $x = 2$ in

14. Write an expression for the area in simplified form.

15. Calculate the area if $x = 5$ mi.
