

Name _____ Date _____ Period _____

Unit 6 Assessment: Evaluate Expressions, Distributive Property, Combine Like Terms Show Work

I. Evaluate the following expressions.

1. $2x + 4$ Let $x = 8$ 1. _____

2. $4(xy + 2)$ Let $x = 5$ and $y = 2$ 2. _____

3. $7n + 2r - 9$ Let $n = 3$ and $r = -3$ 3. _____

II. Identify the part of the expression below.

$34 + 3x - 5y$

4. How many terms are in the expression 4. _____

5. Name a coefficient 5. _____

6. Name a constant 6. _____

7. Name a variable 7. _____

III. Simplify the following expressions using the distributive property

8. $5(x + 3)$ 8. _____

9. $(4x - 6)2$ 9. _____

10. $3(2x - 3) + 10$ 10. _____

11. $15 - 2(4x - 3)$ 11. _____

IV. Combine Like terms

12. $6x + 9n - n + 2x$

12. _____

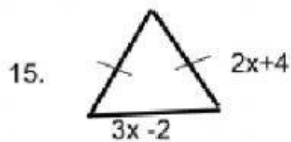
13. $7x + y + 4y + 7x - 4y$

13. _____

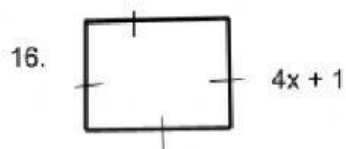
14. $3(2x + 1) + 4(3x)$

14. _____

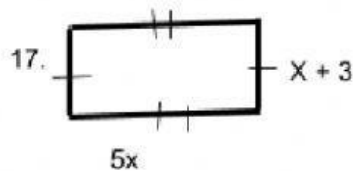
V. Find the Perimeter



15. _____



16. _____



17. _____

18. If $x = 3$ ft in problem 17.
What is the perimeter.

18. _____