

Directions: Match the definition on the right, to the term on the left.

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| 1. _____ NO SOLUTION | A. Multiplying a term outside of the parenthesis by every term inside the parenthesis. |
| 2. _____ DISTRIBUTE | B. Examples include: $V=l*w*h$ $C=2\pi r$ $A=\pi r^2$
Special type of literal equation. |
| 3. _____ FORMULA | C. An equation with the same variable on opposite sides of the equal sign. |
| 4. _____ LITERAL EQUATION | D. An equation that involves two or more variables. Any of the variables could be isolated. |
| 5. _____ VARIABLES ON BOTH SIDES | E. An equation that is true for every possible value of the variable. |
| 6. _____ IDENTITY | F. An equation that there is no value of the variable that makes the equation true. |

Directions: Solve.

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|------------------------------|----------------------------|-------------------------------|
| 7. $3(x + 4) = 3x + 6$ | 8. $7x + 19 = -2x + 55$ | 9. $2x + 2 = 2(x + 1)$ |
| 10. $6(5 - 4a) = 3(-2a + 1)$ | 11. Solve for w: $V = lwh$ | 12. Solve for x: $2x - 4 = y$ |
| 13. $\frac{1}{4}(x - 7) = 8$ | 14. $2m - 24 - 3m = 5m$ | |

Name: _____