Name : _____   **Score :** _____

Teacher : _____   **Date :** _____

Working with the Properties of Mathematics

1) Which property is used in the following expression ?   3(6 + 5) = 18 + 15
    A. Associative Property of Multiplication   **B.** Commutative Property of Addition   _____
    C. Associative Property of Addition   **D.** Distributive Property

2) Which property of addition is used in the following ?   (7 + 9) + 5 = 7 + (9 + 5)
    A. Distributive Property   **B.** Commutative Property   _____
    C. Associative Property   **D.** Identity Property

3) Which is an example of Identity Property of Addition ?
    A. 9 + 7 = 7 + 9   **B.** (7 + 8) + 6 = 7 + (8 + 6)   _____
    C. 4 + 0 = 4   **D.** 2 x 1 = 2

4) Which of the following does not show the Commutative Property of Addition ?
    A. a + b = b + a   **B.** 3 + x = x + 3   _____
    C. ab = ba   **D.** 3x + 4y = 4y + 3x

5) Which operation will not change the value of any nonzero number ?
    A. Dividing by Zero   **B.** Multiplying by One   _____
    C. Adding One   **D.** Multiplying by Zero

6) Which Property of Addition does 3 + 0 = 3 illustrate ?
    A. Zero Property   **B.** Identity Property   _____
    C. Commutative Property   **D.** Distributive Property

7) Which of the following does not show the Commutative Property ?
    A. xy - 9 = xy   **B.** yx = xy   _____
    C. x + y = y + x   **D.** 3 + y = y + 3

8) Which property is used in the following expression ?   (4 x 9) x 8 = 9 x (8 x 4)
    A. Associative Property of Addition   **B.** Associative Property of Multiplication   _____
    C. Distributive Property of Multiplication   **D.** Commutative Property of Addition

9) Which property is used in the following ?   3 x (6 + 8) = 3 x 6 + 3 x 8
    A. None of the above   **B.** Distributive Property   _____
    C. Commutative Property   **D.** Associative Property

10) Which Property of Multiplication is shown ?   (5 + 8) x 7 = 5 x 7 + 8 x 7
    A. Associative Property   **B.** Commutative Property   _____
    C. Distributive Property   **D.** Identity Property

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