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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