NAME_____ 9.4.13 Homework (Properties of Math)

Question 1

Which of the following is an example of Commutative Property of addition?

A. 2 + 7 = 9 − 2 **B.** 2 + 7 = 7 + 2

C. 7 × 1 = 7 **D.** (2 + 7) + 3 = 7 + (3 + 2)

Question 2

Which is an example of Identity Property of addition?

A. 2 + 3 = 3 + 2 **B.** 1 × 6 = 6

C. (1 + 2) + 3 = (2 + 3) + 1 **D.** 6 + 0 = 6

Question 3

Which is an example of Associative Property of addition?

A. 3 + (4 + 5) = (3 + 4) + 5 **B.** 5 + 3 = 3 + 5

C. 3 + 0 = 3 **D.** 3 + (−3) = 0

Question 4

Which statement is NOT correct?

A. Changing the groupings of the addends will not affect the sum. **B.** Changing the order of the addends will not affect the sum.

C. Changing the groupings of the addends will affect the sum. **D.** When you add 0 to any real number, the sum is the number itself.

Question 5

Which property of addition does the following expresion illustrate?

9 + 0 = 9

A. Distributive property **B.** Zero Property

C. Commutative property **D.** Identity property

Question 6

Which property of addition is used in the following?

(5 + 12) + 6 = 5 + (12 + 6)

A. Commutative Property **B.** Associative Property

C. Distributive Property **D.** Additive Identity Property

Question 7

Which property of addition is used in the following?

4*(6 + 3) = 4*6 + 4*3

A. Associative Property **B.** Commutative Property

C. Distributive Property **D.** none of the above

Question 8

Which property will you use to simplify the following expression?

3(y + 2)

A. Commutative Property **B.** Zero Product Property

C. Associative Property **D.** Distributive Property

Question 9

Which of the following does not show Commutative Property?

A. x + y = y + x **B.** xy - 3 = xy

C. yx = xy **D.** 3 + y = y + 3

Question 10

When simplifying expressions with parentheses, you will be applying the _____.

A. Distributive Property **B.** Commutative Property

C. Associative Property **D.** Identity Property