Name_____

Properties of Operations

1.) Which of the following is an example of the Commutative Property of Addition?

a. $2 + 7 = 9 - 2$
b. $2 + 7 = 7 + 2$
c. $7 \times 1 = 7$
d. $(2+7) + 3 = 7 + (3 + 2)$

2.) Which of the following is an example of the Identity Property of Addition?

a. $2 + 3 = 3 + 2$
b. $1 \times 6 = 6$
c. $(1 + 2) + 3 = (2 + 3) + 1$
d. $6 + 0 = 6$

3.) Which of the following is an example of the Associative Property of Addition?

a. $3 + (4 + 5) = (3 + 4) + 5$
b. $5 + 3 = 3 + 5$
c. $3 + 0 = 3$
d. $3 + (-3) = 0$

4.) Which statement is NOT correct?

a. Changing the groupings of addends will not affect the sum.
b. Changing the order of addends will not affect the sum.
c. Changing the groupings of addends will affect the sum.
d. When you add 0 to any real number, the sum is the number itself.

5.) Which property of addition does the following property illustrate?

$$9 + 0 = 9$$

a. Distributive Property
b. Commutative Property
c. Associative Property
d. Identity Property

6.) 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

Demonstrate the given property and evaluate the expression.

Example:

3 + 4 = _____

Commutative Property: 4 + 3

Answer: 7

7.)

3 + 4 = _____

Commutative Property:_____

Answer:_____

8.)

_____ = 5 x 7

Commutative Property:_____

Answer:_____

9.)

_____ = (5 + 6) + 3

Associative Property:_____

Answer:_____

10.)

7 x (1 x 8) = _____

Associative Property:_____

Answer:_____

Fill in the Identity Number for the operation being used.

11.)

6 + _____ = 6

12.)

8 - _____ = 8

13.)

13 x _____ = 13

14.)

9 ÷ _____ = 9