

Name: \_\_\_\_\_



# The Commutative Property

**Directions:** State whether each of the following is an example of the *commutative property of addition*, the *commutative property of multiplication*, or neither.

1.) $7 + 1 = 1 + 7$	2.) $8(0) = 0(8)$	3.) $x^2 \cdot 9 = 9 \cdot x^2$
4.) $\frac{5}{15} = \frac{15}{5}$	5.) $100 - 99 = 99 - 100$	6.) $10 + (-1) = (-1) + 10$
7.) $2 + (-3) = 2 - 3$	8.) $a(bc) = (bc)a$	9.) $x(2y) = 2(xy)$
10.) $a \div b = b \div a$	11.) $2(a + b) = 2a + 2b$	12.) $(3xy)(0) = 0$
13.) $(a + 1) + (5) = (5) + (a + 1)$	14.) $(-x) + (-y) = (-y) + (-x)$	15.) $3(-2xy) = (-2xy)(3)$

## KEY

- 1.) Commutative Property of Addition
- 2.) Commutative Property of Multiplication
- 3.) Commutative Property of Multiplication
- 4.) Neither
- 5.) Neither
- 6.) Commutative Property of Addition
- 7.) Neither
- 8.) Commutative Property of Multiplication
- 9.) Neither
- 10.)     Neither
- 11.)     Neither
- 12.)     Neither
- 13.)     Commutative Property of Addition
- 14.)     Commutative Property of Addition
- 15.)     Commutative Property of Multiplication