

Name \_\_\_\_\_

Date \_\_\_\_\_

**Properties of Real Numbers****Match the examples in Column 1 with the property from Column 2.****Column 1**

1.  $3x + 5 = 5 + 3x$

2.  $3 \cdot 1 = 3$

3.  $3(x + 1) = 3x + 3$

4.  $3 \cdot x = x \cdot 3$

5.  $a(bc) = (ab)c$

6.  $-3(xy) = (-3x)y$

7.  $x^2 \cdot 5 = 5x^2$

8.  $3 \cdot \frac{1}{3} = 1$

9.  $1 \cdot x = x$

10.  $-7 + 7 = 0$

**Column 2**

A. Commutative Property of Addition

B. Commutative Property of Multiplication

C. Associative Property of Addition

D. Associative Property of Multiplication

E. Distributive Property

F. Distributive Property

G. Identity Property of Multiplication

H. Inverse Property of Addition

I. Inverse Property of Multiplication

1. \_\_\_\_\_

6. \_\_\_\_\_

2. \_\_\_\_\_

7. \_\_\_\_\_

3. \_\_\_\_\_

8. \_\_\_\_\_

4. \_\_\_\_\_

9. \_\_\_\_\_

5. \_\_\_\_\_

10. \_\_\_\_\_

**ANSWERS:**

- 1. A
- 2. G
- 3. E/F
- 4. B
- 5. D
- 6. D
- 7. B
- 8. I
- 9. G
- 10. H