

Properties of Operation

1. Associative Property of Addition
 2. Commutative Property of Addition
 3. Additive Identity Property of 0
 4. Existence of Additive Inverses
 5. Associative Property of Multiplication
 6. Commutative Property of Multiplication
 7. Multiplicative Identity Property of 1
 8. Existence of Multiplicative Inverses
 9. Distrib Prop of Multi over addition
 10. Distrib Prop of Multi over subtraction
 11. Distrib Prop to combine like terms
- A. $a * 1 = 1 * a = a$
 - B. $(a + b) + c = a + (b + c)$
 - C. $a + (a + b) = 2a + b$
 - D. $a + b = b + a$
 - E. $a * b = b * a$
 - F. $a + (-a) = (-a) + a = 0$
 - G. $(a * b) * c = a * (b * c)$
 - H. $a * (b + c) = a * b + a * c$
 - I. $a * 1/a = 1/a * a = 1$
 - J. $a * (b - c) = a * b - a * c$
 - K. $a + 0 = 0 + a = a$