

# ***LAWS AND PROPERTIES OF ALGEBRA***

## **COMMUTATIVE PROPERTY OF ADDITION**

$$\delta\delta A + B = B + A$$

$$\delta\delta 2 + 3 = 3 + 2$$

## **COMMUTATIVE PROPERTY OF MULTIPLICATION**

$$\delta\delta AB = BA$$

$$\delta\delta 3(5) = 5(3)$$

## **ASSOCIATIVE PROPERTY OF ADDITION**

$$\delta\delta A + (B + C) = (A + B) + C$$

$$\delta\delta 2 + (3 + 4) = (2 + 3) + 4$$

## **ASSOCIATIVE PROPERTY OF MULTIPLICATION**

$$\delta\delta A(BC) = (AB)C$$

$$\delta\delta 2(3 \cdot 4) = (2 \cdot 3)4$$

## **DISTRIBUTIVE PROPERTY**

$$\delta\delta A(B + C) = AB + AC$$

$$\delta\delta 2(3 + 4) = 2 \cdot 3 + 2 \cdot 4$$

