glue this side in notebook

Commutative Property

Associative Property

Distributive Property

Identity Property

Additive Inverse

Multiplicative Inverse

For addition **a + b = b + a**
For multiplication **ab = ba**

For addition **(a + b) + c = a + (b + c)**
For multiplication **(ab)(c) = a(bc)**

a(b + c) = ab + ac

For addition **a + 0 = a**
For multiplication **1a = a**

a + (-a) = 0

$\left(\frac{a}{b}\right)\left(\frac{b}{a}\right)$ **= 1 if a,b ≠ 0**