

# Power of 0

Anything raised to the **power of 0** is 1

$$x^2 \div x^2 = x^0 \quad \text{but also} \quad x^2 \div x^2 = 1 \quad \text{so} \quad x^0 = 1$$

Using the division  
law of indices:  
 $2 - 2 = 0$

Anything divided  
by itself is 1

 Examples

$$x^0 = 1 \quad 3^0 = 1 \quad (2x + 4)^0 = 1$$