Laws of Exponents

1. To multiply powers of the same base, ADD the exponents.

Ex: 3x 3= 3= 3

1. To divide powers of the same base, SUBTRACT the exponents.

Ex: 4- 4= 4= 4

1. Any number raised to the power of 1 is equal to itself.

Ex: 5= 5

1. The number 1 raised to any power is always 1.

Ex: 1 = 1 x 1 x 1 x 1 x 1 x 1 = 1



1. Any number (base) raised to the power of 0 is equal to 1. Called the Zero Exponent Rule.

Ex: 3= 1

1. To raise a power to a power, multiply the exponents.

Ex: (3) = 3 = 3

1. To raise a multiplication expression to a power, raise each number in the brackets to that power.

Ex. (3 x 2)= 3x 2= 27 x 8