

**Adding with (-) and (+) numbers.**

**(+) + (+) = +**

Example:  $8 + 2 = 10$

**(+) + (-) = if the positive number is greater, the sum will be a positive number.**

Example:  $8 - 2 = 6$

**(+) + (-) = if the negative number is greater, the sum will be a negative number.**

Example:  $-8 + 2 = -6$

**(-) + (-) = the combined total of the negative numbers**

Example:  $-8 + (-2) = -10$

**Subtracting with (-) and (+) numbers.**

**(+) - (+) = +**

Example:  $8 - 2 = 6$

**(+) - (-) = the negative signs cancel each other out and become positive.**

Example:  $8 - (-2) = 8 + (+2) =$

$8 + 2 = 10$

**(-) - (-) = the negative signs cancel each other out and become a positive.**

Example:  $-8 - (-2) = -8 + (+2) =$

$-8 + 2 = -6$

**(-) - (+) = the minus sign cancels out the positive number; the answer will be a greater negative number.**

Example:  $-8 - (+2) = -8 - 2 =$

$-8 - 2 = -10$

**Multiplying with (-) and (+) numbers.**

**(+) x (+) = +**

Example:  $8 \times 2 = 16$

**(+) x (-) = -**

Example:  $8 \times (-2) = -16$

**(-) x (-) = +**

Example:  $-8 \times (-2) = 16$

**Dividing with (-) and (+) numbers.**

**(+) ÷ (+) = +**

Example:  $8 \div 2 = 4$

**(+) ÷ (-) = -**

Example:  $8 \div (-2) = -4$

**(-) ÷ (+) = -**

Example:  $-8 \div 2 = -4$

**(-) ÷ (-) = +**

Example:  $-8 \div (-2) = 4$

**Multiplying with even and odd exponents.**

**$-x^2 = +$**

Example:  $-2^2 = -2 \times (-2) = 4$

**$-x^3 = -$**

Example:  $-2^3 = -2 \times (-2) \times (-2) = -8$

**(If the number is negative: even exponents will produce a positive answer and odd exponents will produce a negative answer).**