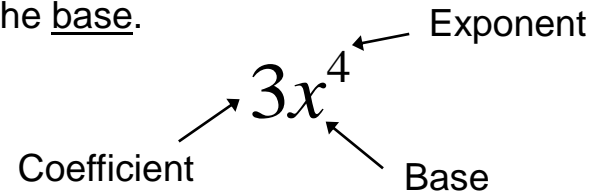# SM3-A VOCAB 7-1 (Exponents)

Power: An expression formed by repeated multiplication of the base.

Power: is repeated multiplication

$$3x^4$$

Exponent

Coefficient

Base

The exponent applies to the number or variable immediately to its left, not to the coefficient.

Factor: a number that is being multiplied.

$$x^4 = x*x*x*x$$ means "base x used as a *factor* 4 times"

multiplication: is repeated addition

$$3x = x + x + x$$ means "x used as an *addend* 3 times"