Algebraic Expressions Definitions

Expressions:	a combination of variables, numbers, or symbols that represent a mathematical relationship that has no equals sign (=)				
	3x + y - 7				
Equations:	a statement that two mathematical expressions are equal and has a equal sign (=) in it				
	2x + 7 = 15 - 7x				
Term:	is either a single number or variable, or the product of several numbers or variables, separated from another term by a + or – sign in an overall expression				
Coefficient:	the number in front of a variable				
Constant:	a number by itself				
	In the expression 3 + 4x + 5wyz, 3, 4x, and 5 <i>wyz</i> are all terms 4 and 5 are the coefficients 3 is the constant				
Common Words:	Addition	Subtraction	<u>Multiplication</u>	Division	

more	less	times	divided by
sum	difference	product	quotient
add	subtract	multiply	per
increased	decreased	factor of	out of

Reminder:	the word " than " means to switch the order,
	like "a number less than five" really means "5 - n"

Order of Operations:

PEMDAS:

- 1. any calculations inside square brackets or parenthesis
- 2. all exponents, powers, square roots
- 3. all multiplications and divisions, working from left to right
- 4. all additions and subtractions, working from left to right

"Please Excuse My Dear Aunt Sally"

- **P P**arentheses or Brackets
- **E E**xponents (ie Powers and Square Roots, etc.)
- **MD** Multiplication and **D**ivision from left to right
- **AS** Addition and **S**ubtraction form left to right