3.1 Simplifying Algebraic/Variable Expressions p.82					
Part 1: Identifying Parts of an expression					
a math sentence that contains variables, numbers and operations (+,-,x,:)					
Algebraic expressions DO NOT have <u>equal sign</u> (only equations do). Examples of algebraic expressions are: $6+3x$; $7h$; $8-n$; Z ; $2f+g+5$					
7a-6+3b-4a+2					
TERM: a number, a variable, or product/quotient of a number and a variable; they are separated by plus or minus signs. The expression above has terms.					
CONSTANT: a term without a variable (a number by itself) The constants from above are -6 , 2 .					
[vaviables vary] <u>COEFFICIENT:</u> a number multiplying a variable; <u>ALWAYS</u> before the variable; if a variable doesn't have a coefficient, then it is					
The coefficients from above are $\frac{7,3,-4}{}$. m					
LIKE TERMS: a) terms that contain the same variable, raised to the same power or b) terms that contain NO variable at all (constants)					

The like terms from above are 7a, -4a - 6.2.

	iveleterms) XPression	# wiveriable Coefficients	1) have same variable 3) have no variable Like Term S	# alone Constants
8	36-5	3	8,-5	8,-5
80(+3b)-	2) 4c (+ ab)	8;3,4,2	8 c,4c; 3b,2b	-2
(8 x	(x) (+ 4)	8,-1	8 x, -x	4
	(12)	none	none	12
	j		none	none
	Hg-f	-4,-1	none	none
-12b	-4+3c	-12,3	none	-4
-9d-d	+8+3d-7	-9,-1, 3	-9d, d, 3d 8, -7	8,-7
j-3-j	+2+K	1,-1,1	-3,2	-3,2
5x2 - x	+2x2-4	5, -1, 2	5 x2, 2 x2	-4