Combining Like Terms

We can often make an expression or an equation easier by **combining like terms.**

In the expression $7x + 5$, $7x$ and 5 are called **terms.**

A **term** is _____

_____

In the term $7x$, 7 is called the _____.

A **coefficient** is _____

_____

Term	$4a$	$\frac{2}{3}a$	$3k^5$	x^2
Coefficient				

In expressions and equations, we can combine like terms.

Like terms are _____

_____

Like Terms	$3x$ and $2x$			
Unlike Terms	$5x^2$ and $2x$			
	The exponents are different			

When combining like terms with the same variables you can add or subtract coefficients.

Example : $3x + 2x + 5x =$

Steps for combing like terms:

1. _____ $5x^3+3y+7x^3-2y-4x^2$

_____

2. _____

3. _____

_____

Examples:

1. 32y - 5y

2. $4c^2 + 5c + 2c$

3. $7x + 8x^2 - 3y$

4. $5f^2 - 2f - 3f^2$