lulumath

Like Terms

Video Notes

Video Link

Like Terms

Let's look at examples and non-examples of like terms

Examples	Non-Examples
$6x$, $11x$	$6x$, $11y$
$3x^2$, x^2	$3x^2$, x
$10x^2y$, $-6x^2y$	$10x^2y$, $-6xy^2$
$-8a^2bc^3$, $15a^2bc^3$	$-8a^2bc^3$, $15abc^6$

So, what are like terms?

Like terms must have the same variable with the same power.

Collect/Combine like terms:

$12x - 9 + 8 - x$

$11x - 1$

There aren't any more like terms, so this is the most simplified answer.

Collect/Combine Like Terms:

$5x^2 + 3x - x^2 + 2$

$4x^2 + 3x + 2$

common mistake:

$5x^2 - x^2 = 5$

$5x^2 - x^2$

$x^2 + x^2 + x^2 + x^2 + x^2 - x^2$

$4x^2$

Collect/Combine Like Terms:

$3.2a + 7.5b - 12.1 - 9.5b + 4$

$3.2a - 2b - 8.1$

$7.5 - 9.5 = -2$