

Adding and Subtracting Exponents

You can add and subtract exponential expressions if they have the same base and the same exponent. Just add or subtract the coefficients.

Example: $2x^2 + 7x^2 = 9x^2$. Only add the **coefficient** not the exponents .

Example: $2y^2 - 10y^3$ If the **exponents** are different, the coefficients can not be added or subtracted.

Example: $2x^2 - 10y^2$ If the **base (variable)** is different the coefficients can not be added.