

LT AAlca

How do I add or subtract polynomials?

4/6

Subtraction

Ex 1:

$$(5x^2 + 3x - 6) - (3x^2 - x + 5)$$

1. Distribute negative

$$\boxed{5x^2} + \boxed{3x} + \boxed{-6} - \boxed{3x^2} + \boxed{x} + \boxed{-5}$$

2. Combine

Like terms

3. Put in standard form

$$2x^2 + 4x - 11$$

Ex 2:

$$\boxed{3y^2} + 5y \boxed{-6} + (\boxed{7y^2} - 9)$$

$$10y^2 + 5y - 15$$