

Add or subtract the following polynomials.

$$(3x^2 + x - 6) + (7x^2 + 2x + 3)$$

$$(2x^2 - 4x + 1) + (-2x^2 + 7x + 3)$$

Simplify the following polynomial expressions

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

$$-3x^2(2x^2 + 7x - 5)$$

$$-6x^2y - 6x^2y + 15xy^2$$

$$(2x + 1)(3x - 2)$$

$$(-3x + 4)(4x - 3)$$

$$6x^2 - 11x - 7$$

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

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

$$12x^2 - 31x - 20$$

$$(-2x + 3)(4x^2 - 5x + 2)$$

$$4x^2 - 5x + 2$$