



Polynomial Expansion

Name: _____

Date: _____ Score: _____

$$(6x^2 - 6)(3x - 2) - 6x^2 - 4x + 1$$

$$(2x - 5)(3x^2 + 5x - 4) - (5x + 3)(2x - 1)$$

$$(3x + 4)(5x + 6)(6x + 3)$$

$$(x^2 - 4x + 4)(4x + 3) - 6 \times 2x + 3$$

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

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

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

$$5x - (3 + x)(2x - 6)(5x + 1)$$

$$(6x + 1)(2x - 3)(2x + 3)$$

$$(4x^2 + 1)(4x - 6) - 6x^2 - 4x - 4$$



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$$(6x^2 - 6)(3x - 2) - 6x^2 - 4x + 1$$
$$18x^3 - 18x^2 - 22x + 13$$

$$(2x - 5)(3x^2 + 5x - 4) - (5x + 3)(2x - 1)$$
$$6x^3 - 15x^2 - 34x + 23$$

$$(3x + 4)(5x + 6)(6x + 3)$$
$$90x^3 + 273x^2 + 258x + 72$$

$$(x^2 - 4x + 4)(4x + 3) - 6 \times 2x + 3$$
$$4x^3 - 13x^2 - 8x + 15$$

$$(2x^2 + 3)(6x + 3) - 5x^2 - 3x + 5$$
$$12x^3 + x^2 + 15x + 14$$

$$(6x^2 - 6)(5x - 6) - 2x^2 - 6x - 5$$
$$30x^3 - 38x^2 - 36x + 31$$

$$(4x^2 + 3)(3x + 2) - x^2 + 3x + 4$$
$$12x^3 + 7x^2 + 12x + 10$$

$$5x - (3 + x)(2x - 6)(5x + 1)$$
$$-10x^3 - 2x^2 + 95x + 18$$

$$(6x + 1)(2x - 3)(2x + 3)$$
$$24x^3 + 4x^2 - 54x - 9$$

$$(4x^2 + 1)(4x - 6) - 6x^2 - 4x - 4$$
$$16x^3 - 30x^2 - 10$$