



## Polynomial Expansion

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

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

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

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

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

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

$$(3x^2 - 6)(5x + 5) - 4x^2 + 5x + 3$$

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

$$(3x^2 - 2x + 4)(4x - 5) - 6 \times 4x - 5$$

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

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



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$$(2x - 1)(6x + 2)(6x + 3)$$
$$72x^3 + 24x^2 - 18x - 6$$

$$(3x^2 + x - 1)(2x - 1) - 6 \times 2x - 4$$
$$6x^3 - x^2 - 15x - 3$$

$$(2x^2 - 5)(5x - 1) - 3x^2 - 5x + 3$$
$$10x^3 - 5x^2 - 30x + 8$$

$$(6x + 4)(6x^2 + x - 3) - (4x - 1)(x + 2)$$
$$36x^3 + 26x^2 - 21x - 10$$

$$(3x^2 + 4x + 2)(2x - 3) + 5 \times 2x + 4$$
$$6x^3 - x^2 + 2x - 2$$

$$(3x^2 - 6)(5x + 5) - 4x^2 + 5x + 3$$
$$15x^3 + 11x^2 - 25x - 27$$

$$2x - (6 - 6x)(5x - 6)(5x - 5)$$
$$150x^3 - 480x^2 + 512x - 180$$

$$(3x^2 - 2x + 4)(4x - 5) - 6 \times 4x - 5$$
$$12x^3 - 23x^2 + 2x - 25$$

$$(x^2 + 6x - 3)(2x - 3) + 5 \times 3x - 6$$
$$2x^3 + 9x^2 - 9x + 3$$

$$(6x + 2)(6x + 3)(5x + 5)$$
$$180x^3 + 330x^2 + 180x + 30$$