



## Polynomial Expansion

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

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

$$(x + 4)(x + 1)(2x + 4)$$

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

$$6x - (1 + 5x)(x - 1)(4x + 4)$$

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

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

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

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

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

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

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