Polynomial Expansion

Name: _____ Date: _____ Score: _____

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

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

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

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

$(x^2 + 4x - 5)(6x + 6) + 3 \times 4x - 1$

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

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

$(6x^2 - x - 5)(5x + 1) + 5 \times 4x + 6$

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

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

Polynomial Expansion

Name: _____ Date: _____ Score: _____

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

$6x^3 - x^2 - 9x - 6$

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

$15x^3 + 50x^2 + 56x + 17$

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

$16x^3 + 16x^2 - 3x - 4$

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

$10x^3 + 31x^2 + 10x + 41$

$(x^2 + 4x - 5)(6x + 6) + 3 \times 4x - 1$

$6x^3 + 30x^2 + 6x - 31$

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

$30x^3 + 98x^2 + 20x - 24$

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

$54x^3 - 162x^2 + 216$

$(6x^2 - x - 5)(5x + 1) + 5 \times 4x + 6$

$30x^3 + x^2 - 6x + 1$

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

$24x^3 - 2x^2 - 4x - 14$

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

$25x^3 - 100x^2 + 87x - 18$