6-3 Adding, Subtracting, and Multiplying Polynomials

Alg. 2 std. 7.0

1 $(8x^{2n} - 5)(3x^{2n} + 7) = 24x^{4n} + 41x^{2n} - 35$

2 $(2x - 4y)^3 = (2x-4y)^2(2x-4y)$

$(4x^2 - 16xy + 16y^2)$

$2x - 4y$

$8x^3 - 32x^2y + 32xy^2$

$-16x^2y + 64xy^2 - 64y^3$

3 $(5x^2 - 3x + 2)(7x^2 + 5x - 6)$

$5x^2 - 3x + 2$

$7x^2 + 5x - 6$

$35x^4 - 21x^3 + 14x^2$

$+25x^3 - 15x^2 + 10x$

$-30x^2 + 18x - 12$

$35x^4 + 4x^3 - 31x^2 + 28x - 12$