$(3x - 4x^3 + 10 + 6x^2) / ((x - 3)(x^2 + 6))$

$(7x - 5 - 12x^2) / (5(3 + x)(3 + x^3))$

$(5x^5 + 4x^4 - 12 + x) / ((-4x + 3)^2 (x + 10))$

$(x^4 - 10x + 6) / ((x^2 + 5)(x + 4)(2 - x))$

$(15x + 2x^2 - 3) / ((x + 2)(x - 4)(x + 6))$

$(5x - 4x^3 + 7 - 3x^2) / ((x^3 + 1)(x^2 + 5)(x - 2))$

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