

MHF4U Chapter 3 Review (Factoring Polynomials)

Factor completely.

a) $P(x) = x^4 + x^2 - 6$

b) $P(x) = x^4 + 2x^3 - x^2 - 4x - 2$

c) $P(x) = 4x^4 + 8x^3 - 7x^2 - 11x + 6$

d) $P(x) = x^4 - x^3 - x^2 + x$

e) $P(x) = x^4 + 2x^3 - x^2 - 4x - 2$

f) $P(x) = x^6 - 5x^4 + 7x^2 - 3$

g) $P(x) = -3x^6 + 15x^4 - 18x^2$