3.2 Polynomial functions and their graphs

EXAMPLES Sketch the graph of the given polynomial function.

(a) \( P(x) = x(x - 2)(x + 1) \)

(b) \( P(x) = x^5 - 9x^3 \)

(c) \( P(x) = x^4 - x^3 - 2x^2 \)

(d) \( P(x) = x^4 - 2x^3 - 8x + 16 \)