

ALGEBRA 2
PROBLEM SET 17

DUE DATE: NOVEMBER 14, 2023

Question 1. Find the degree and the leading coefficient in each of the following:

(a) $-7x^3 + 8x^2 - x$

(b) $5 - 17x^6 + 9x^{10}$

(c) $4x + 8 - 7x^4$

(d) $3x^3 - 5x^2 + 10 + x^7$

Question 2. Determine the end behaviour for each of the polynomials above (e.g. “*LEFT up*, *RIGHT down*” or “*RIGHT and LEFT down*”, etc.)