

Business PreCalculus MATH 1643 Section 004, Spring 2013
Homework 2: Due 1/15/2014

1- Simplify $(x^3 + \frac{x^2}{2} - \frac{2}{3}x) - (x^2 - x + 2)$.

2- What is the leading term, leading coefficient, and the degree of $x^2 - x^4 + 2x - 9$.

3- Perform the indicated operations

a. $(2x + 1)(2x^2 - 3x)$

b. $(x - 6)(x^2 + 6x + 36)$

c. $(2x + 3)^3$

d. $(1 + y)(1 - y + y^2)$