

Mat 100
Worksheet #4

1. The degree of $5x^5 - 6x^8 + 10xy - y$ is _____

The leading term is _____

The leading coefficient is _____

2. Perform the indicated operations:

a. $(5x^4 - 2x^2 + 3x - 7) + (6x^4 - 4x^2 + 2x + 3)$

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

c. $(x + 3)(x - 7)$

d. $(3x^2 + 4)(x^2 - 3)$

e. $(x - 1)(x^2 - 2x - 1)$