

**Math 97 Brush-Up Lesson: POLYNOMIALS**

If you placed into MATH 97 or a higher-level course, this might be useful for you

1. Combine like terms, write in standard form, state the degree, and evaluate for  $x = -2$ .

a.  $6x^2 + 2x^4 - 2x^2 - x^4 - 4x^2 + x$

b.  $12x^6 - x^3 + 8x^6 + 4x^3 - x^7 - 3x^3$

2. Add, collect like-terms, and write in standard form.

a.  $(x^2 - 5x + 4) + (8x - 9)$

b.  $(4x^5 - 6x^3 - 9x + 1) + (3x^4 + 6x^3 + 9x^2 + x)$

