FLIP VIDEO LESSON (rmsalgebra.weebly.com)   **Polynomials**

Polynomial Expression
- a term or a **sum/difference** of terms involving variables raised to a whole number exponent
- no variables can appear in the denominator

Polynomials	Not Polynomials

Classifying Polynomials

	Definition	Example
Monomial		
Binomial		
Trinomial		
Polynomial		

Degree

Degree of a Monomial	Degree of a Polynomial in One Variable
a) $7x$ b) $7y^6$ c) $3x^4$ d) 7	a) $3x^2 + x^7$ b) $5x + 4x^3 + 9$

Standard Form of a Polynomial in One Variable
A polynomial written in standard form is written in descending order beginning with the highest degree monomial.

Write the following polynomial in standard form.
$4a^4 - 5 + a^2 - 7a^3 + 2a^2 + 6a^5 + 8 + 12a^8$

Leading term	Leading coefficient	Constant term