Vocabulary with Polynomials

1. Rewrite the following polynomial in *standard form*: $5x - 4 - 3x^4 + 2x^2$

2. What is the *constant term* in the previous polynomial?

3. What is the *leading coefficient* of each of the following polynomials?

   a. $2x^4 + 7x^2 - 18$

   b. $-x^3 + 2x^2 - 5x + 13$

4. What is the *degree* of the following polynomial: $-8x - 3x^5 + 10 + 6x^4$

5. Classify the polynomial by *number of terms* (give the word):

   a. $2x^4 + 7x^2 - 18$

   b. $-5x + 13$

6. Classify the polynomial by *degree* (give the word):

   a. $2x^2 - 3x + 8$

   b. $-5x^3 + 1$

7. _____ binomial

8. _____ standard form

9. _____ leading coefficient

10. _____ monomial

11. _____ degree

12. _____ constant term

13. _____ trinomial

a. A polynomial with only one term.

b. The number that does not multiply any power of x.

c. A polynomial with two terms.

d. Written with terms in descending order, from largest degree to smallest degree.

e. A polynomial with four terms.

f. The value of the exponent in a polynomial.

g. The number in front of the first term of a polynomial.

h. A polynomial with three terms.

i. The first term of a polynomial.