

Name: _____ Date: _____

HW: Properties of Polynomials

Directions: Answer the following 14 questions. Then match the answer you got with the corresponding letter/symbol. Fill in the symbol in the answer box below to spell out the punch line to the joke.

Joke: Did you hear about the guy who lost his whole left side?

1. The highest exponent of a polynomial function
2. A polynomial with only three terms
3. A polynomial with maybe four or more terms
4. The coefficient of the monomial with the highest degree
5. A number, a variable, or a combination of both
6. The power of a monomial
7. The number in front of the variable of a term
8. A polynomial with only two monomials
9. Given $3x^2 + 2x + 5$, what is the degree?
10. What is the leading coefficient of $7x^4 + 13x^2 - 4x^5$?
11. Put the following polynomial in standard form $-1x + 5 + 3x^4 + 2x^2$
12. How many monomials are in the expression $2x^3$?
13. How many terms are in the expression $-4x^4 + 6x^2 + 2$?
14. A polynomial whose terms are in order from highest to lowest exponent

Exponent = W

Trinomial = O

Leading Coefficient = S

Degree = H

Monomial = N

two = ' (comma)

Binomial = E

Standard Form = T

Polynomial = I

-4 = A

$3x^4 + 2x^2 - 1x + 5 = L$

One = G

Coefficient = ! (exclamation)

Three = R

Punch line:

1 8 9 4

10 11 13 3 12 1 14

5 2 6 7