Name: _____

Quiz 6.1-6.4 Review Worksheet Answers

Name the following polynomials by number of terms (monomial, binomial, trinomial, polynomial) and degree (constant, linear, quadratic, cubic, quartic, quintic), list the leading coefficient, and write the polynomial in standard form:

$-10x^5$
monomial
deg.: 5, quantic
lead. coeff.: -10
is in std. form

$4x-9x^2+4x^3-5x^4$
4 term polynomial
deg.: 4, quartic
lead. coeff.: -5
std. form: $-5x^4+4x^3-9x^2+4x$

$10+8x$
binomial
deg.: 1, linear
lead. coeff.: 8
std. form: 8x+10

$-4-2a^2+8a$
trinomial
deg.: 2, quadratic
lead. coeff.: -2
std. form: $-2a^2+8a-4$

$4b^6+5b^5+b^4$
trinomial
deg.: 6
lead. coeff.: 4
is in std. form

-1
monomial
deg.: 0, constant
lead. coeff.: -1
is in std. form

Add or subtract the following polynomials, as indicated:

$(-4k^4+14+3k^2)+(-3k^4-14k^2-8)$

$-7k^4-11k^2+6$

$(3-6n^5-8n^4)-(-6n^4+n^3-3n-8n^5)$

$2n^5-2n^4-n^3+3n+3$

[illegible]