Algebra 1 Day 1 – Classifying Polynomials

Practice Assignment

Date: ______ Block: _____

Practice

1. Simplify and put each polynomial into standard form (if necessary). Then classify the polynomials by degree and number of terms.

a. 4x² – 5x	Standard Form	Quadratic	Binomial
b. x + 2	X+2	dinear	Binomial
c. 12	12	Constant	monomial
d. $5x^2 - 5x + 1$	5x2-5x+1	Quadratic	Irinomial
e. $2x + 3x^2 - 4x$	$3x^2-2\times$	Quadratic	Binomial
f. $4x^3 + 1 - 2x$	4x3-2x+1	Cubic	Trinomial
$g.x^2 - 2x + 9 - x^2$	-2x+9	dinear	Binomial
h. $4x^3 - 2x + 2x^2 - 2x + 5$	4x3+2x2-4x+5	Cubic	Pulynomial

2. Create a polynomial that meets the following req	uirements: Answers	will vary
2. Create a polynomial that meets the tollowing to a	-2x2+3x-4	U
Quadrite a. Linear Binomial with coefficients of -2 and 3:	2,2	
b. Quadratic Monomial with a negative coefficient:	= -0X-	
c. Polynomial of degree 3 with three terms:	X3+4X-5	
c. Polyhornial of degree a will will a	5× + 7	

d. Polynomial with a constant of 7 and two terms:

e. Cubic binomial with leading coefficient of 4: $\frac{5x}{4} + 7$ $\frac{4x^3 - 5}{1}$