Day 1 – Classifying Polynomials **Name:** _____

Practice Assignment **Date:** _____ **Block:** _____

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

	Standard Form	***Classification***	
a. $4x^2 - 5x$	_____	_____	_____
b. $x + 2$	_____	_____	_____
c. 12	_____	_____	_____
d. $5x^2 - 5x + 1$	_____	_____	_____
e. $2x + 3x^2 - 4x$	_____	_____	_____
f. $4x^3 + 1 - 2x$	_____	_____	_____
g. $x^2 - 2x + 9 - x^2$	_____	_____	_____
h. $4x^3 - 2x + 2x^2 - 2x + 5$	_____	_____	_____

2. *Create a polynomial that meets the following requirements:*

a. Quadratic Trinomial with coefficients of -2 and 3: _____

b. Quadratic Monomial with a negative coefficient: _____

c. Polynomial of degree 3 with three terms: _____

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

e. Cubic binomial with leading coefficient of 4: _____