9.1
 9.1 Friday, February 28, 2014 2:49 PM
 2:49 PM

J.I Auding/Juditucing I Orynomiais

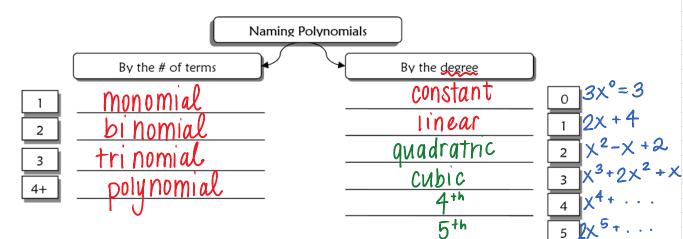
Monomial: is a number, variable, or the product of a number and one or more variables with whole number exponents (a monomial will never have addition or subtraction, will never have a negative exponent)

				Contraction of the Contraction of the		· _	
Examples of Monomial	10		3X	1/2 a b ²		-1.5 m°	
Degree	0		1	1+2 =	3	٦	
These are not monomials:	10×° 5 + ×	, <u>2</u> , h	(2n ⁻ ')	, 4 [°] , X ⁻	- 1		

Polynomial: is a monomial or sum of monomials, each called a *term* of the polynomial

Degree of polynomial : the greatest degree of its terms

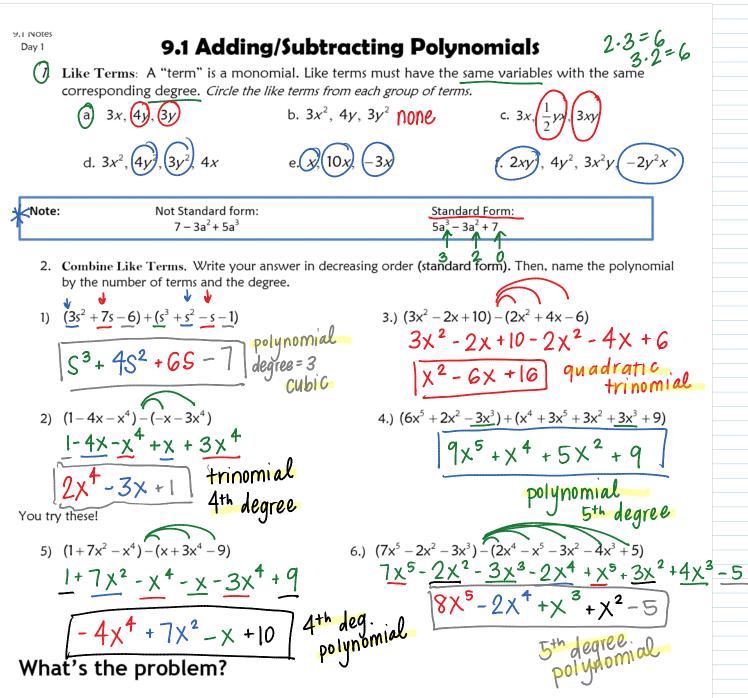
			5	3
Polynomial	9	2×2+×-5	79X°	52
Degree	0	2	5	3



Name the following Polynomials:

()_y	Degree (linear, quadratic, etc.)	# of terms (monomial, binomial, etc.) MONOMIAL	Leading Coefficient
2) $x - \frac{3x^3}{4} + 2x^2 + 7$	cubic	polynomial	-3
3) $3y^5 - 7y + 1$	<u> </u>	trinomial	3
→ 4) 4w-6w ² -GW ² + 4W	quadratic	binomial	-6

$-Gw^2 + 4w$



Talk with your partner about what is wrong with the following problems.

Classify the following polynomials. Name each polynomial and identify the degree and leading coefficient.

1) $7s - 3s^2 - 6$

Menomial trinomial Degree 2 Leading Coefficient: 7 - 3 2) $5x^4 - 3x^6$

Trinomial binomial Degree: -3 G Leading Coefficient: 6 - 3