2.3 Polynomials Refer to second half of the Handout: "Algebraic Expressions", for definitions. Do P. 54 Act. 1 and read the green box that follows. A POLYNOMIAL is the sum or difference of many unlike MONOMIALS. Write the terms in <u>decreasing order</u> of degrees. Ex: $12x^7 + 6x^4 - 7x^2 + 7$	$P(x) is just the notationbetween the polynomialP(x) = 2x^{2} + 5x^{3} + 3x + 6 + 3x + 4x^{2} + 7 - 5x^{3}Ex 2: Evaluate the above trinomial for x = 2(i.e. Evaluate P(2))P(2) =$
Ex 3: Rewrite each polynomial and give its degree. a) $4xy^2 + 3x^2y^2$ b) $2 - 5y^2 + 6y$	Ex 5: A mother is 5 times as old as her daughter. a) If the girl is x years old, how old is the mother?
Ex 4: If P(x,y) = -3x ² y + 2xy ² - 2x + 3y - 5; evaluate P(-2,1)	b) How old will each be in 13 years? <u>Mother Girl Now</u> <u>In 13 years</u> c) What will their total age be in 13 years?

Practice: Page 55 # 1,2 Page 55 # 3 – 12 (6,9,11,12 all, the rest a,c only)

