Monday, September 25, 2017 (9,90 M 3.6 (Part I) - Expanding Binomials Polynomial : multi-termed expression with whole number exponents. er 3x2-2x+17 ez polynomial 3x=-2x+17 ez not a polynomial $\frac{\text{Recall}: (+)(+) = +}{(-)(-) = +} \text{ like signs are positive}$ (+)(-) = - unlike signs are negative (-)(+) = - Sunlike signs are negativeExpand (x+4)(x-3). a) method 1 - Area mode $\frac{x - 3}{x + 4} = \frac{x - 3}{x + 4} = \frac{x - 3}{x + 4} = \frac{x - 12}{x +$ b) method 2 - FOIL * most common method * First Outside Inside Last (x+2)(x-3) -> con also think of this (x+2)(x-3) method as faod the chickens with two formers. $\chi^2 = 3\chi + 4\chi + 12$ C.L.T. $= \chi^{2} + \chi - 12$ Try more examples...

ox (8-x) - means - (8-x)(8-x) = 64-8x8x+x2 CLT Secreating x order 2 = EHx + 16 x + x * watch to keep sign in front * $= \chi^2 - 16\chi + 64$ So... (8-x)² = x² - 16x + 64 Expand. 2x (2x-1)(3x-2) $=6x^{2}(-4x(-3x)+2)$ CLT $= 6x^{2} - 7x + 2$ So... $(2x-1)(3x-2) = (6x^2-7x+2)$ P166 # 45,9,12a-f,13 a,d only.