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Unit 5 Day 6
5-5 Polynomial Divided by a Monomial
1) Review : (2X-1)3
           = (2\chi - 1)(2\chi - 1)(2\chi - 1) = 4\chi^{2} - 2\chi - 1
= (4\chi^{2} - 4\chi + 1)(2\chi - 1) = 4\chi^{2} - 4\chi + 1
= 8\chi^{3} - 4\chi^{2} - 8\chi^{2} + 4\chi + 2\chi - 1
= 8\chi^{3} - 12\chi^{2} + 6\chi - 1
                                                      = 422-22-7241
  (2\chi -3)^{3} = (2\chi -3)(2\chi -3)
= (4\chi^{2} - 12\chi + 9)(2\chi -3) = 4\chi^{2} - 6\chi - 6\chi + 9
   =8\chi^{3}-12\chi^{2}-24\chi^{2}+36\chi =4\chi^{2}-12\chi+9
  = 8\chi^{3} - 36\chi^{2} + 54\chi - 27
  If 6X - 8 = 6X - 8, the reverse is true.
                                   2) 12\chi^{3}-15\chi^{2}
                                                                3) 16x2-10x
                                    5) 12x3-15x2y2-20xy
  8ab<sup>2</sup>-20a<sup>3</sup>b
12a<sup>2</sup>b<sup>3</sup>
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