Algebra Notes - section 8.3  
Dividing Monomials  
  
  
Simplifying monomials - elements in the numerator can be canceled out with like elements in the denominator.    
  
  
For example:    x6      means     ~~x x x x~~ x x equals x2  
                        x4      means        ~~x x x x~~

   The four x's in the denominator will each cancel an x in the numerator leaving us with a final answer of x2.

You also can subtract the exponents: xm = xm-n  
xn

Ex) n6

n2

Ex) -3x3y4

-2x2y2