



## Factoring

- Ex. write the Prime Factorization of
  - lax2y and 30xy3 to find the GCF.  $12 x^{2} y = 2 \cdot 2 \cdot 3 \cdot 5 x \cdot y$   $30 x y^{3} = 2 \cdot 3 \cdot 5 x \cdot y \cdot y \cdot y$   $GCF = 2 \cdot 3 \cdot 5 \cdot x \cdot y$  GCF = 6xy
- Ex, State the GLF of : a) 21x and 35y GCF = 7 b)  $8m^2$  and  $24m^4$  GCF =  $8m^2$
- Ex. Factor the GCF out of each polynomial a) 21xy + 14x = 7x(3y+2)7x - 7xGCF = 7xO Identify GLF O Divide by GCF Owrite in factored form

