

## #4 ~ Sect. 9.2: Factoring a Monomial from a Polynomial (objective 2)

Factoring reverses the multiplication process.

GCF (Greatest Common Factor): the greatest factor that divides evenly into each term of an expression.

Ex. 1: Find the GCF of the terms of each polynomial.

a)  $2x^4 + 10x^2 - 6x$

b)  $4x^3 + 12x^2 - 8x$

Ex.2: Factor each polynomial.

a)  $4x^3 - 8x^2 + 12x$

b)  $6m^3 - 12m^2 - 24m$