



## Factoring $Ax^2 + Bx$

\* Factor out GCF, make it equal to zero and solve

Find the GCF of each polynomial and factor it.

Ex1)  $12x + 42y$

Ex2)  $4x^4 + 24x$

Ex3)  $15y^2 + 12y$

Solve each equation

Ex4)  $(x - 5)(x + 2) = 0$

Ex5)  $2x^2 + 8x = 0$

Ex6)  $6y^2 = 15y$