

**Aim:** How do we factor out the Greatest Common Factor (GCF) from polynomials? **HW: Handout Side Even #'s**

**Do Now:**

**Complete the factors:**

1)  $8m - 6 = 2(4m - \underline{\hspace{2cm}})$  | 2)  $12x^3y - 15xy = \underline{\hspace{2cm}}(4x^2 - 5)$

**2) Find the GCF only in:**

a)  $2y - 6xy$  | b)  $36xy^2 - 48x^2y$  | c)  $45x^3 + 30x^2y + 60xy$

**3) Find the factors in:**

d)  $8(8 - 5ab)$  | e)  $3rs(2r - s)$

f)  $(5x)(2x^2 + 4x + 3)$  | g)  $(2x + 3)(4x - 10)$

**4) Factor the GCF in:** h)  $6z^4 - 18z^3$  | i)  $6e^3f - 11ef$

j)  $30x^4 + 20x^3 - 15x^2$  | k)  $36x^3 - 48x^2 + 54x$

l)  $p + prt$  | m)  $2x^2 + 4x + 8$

n)  $3c^2 - 12c + 9$  | o)  $4x^3 - 16x$