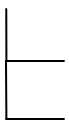# FACTORING WITH GREATEST COMMON FACTOR

A *greatest common* factor is the _____ term that _____ evenly into a set of terms.

Find the prime factorization of 8	Find the prime factorization of 12

What is the greatest common factor of 8 and 12?

Find the greatest common factor in each of the following.

1) 6 and 18	2) x^5 and x^3
GCF = _____	GCF = _____
3) $16m^2$ and $20m^3$	4) $56c^2$ and $32c$
GCF = _____	GCF = _____

MULTIPLY: 4x(x + 5) =

FACTORING is _____.

Factor.

5) $4x^2 - 3x$ = _____	6) $24x^2 + 6x$ = _____
7) $12a^3 - 16a^2$ = _____	8) $10y^3 + 20y^2 - 5y$ = _____
9) $16x^3 - 8x^2 - 4x$ = _____	10) $6x^4 + 4x^3 - 2x^2$ = _____