

Algebra 1
Ch 8 Factoring and Quadratic Equations
8.1 Monomials and Factoring

Name: _____

Remember: $ab^2(3b + 4) =$ _____

What is factoring? _____

Polynomials that can't be factored are called: _____

Method 1: Factoring Using GCF

Factor the following example problems using the GCF.

1) $3x + 12$	2) $7y - 7$	3) $8m + 36n$
4) $5x + 30y$	5) $21cd - 3d$	6) $14gh - 18h$
7) $4y^2 - 24y$	8) $x^2y + 3xy$	9) $5x - 13y$
10) $18a^2bc^2 - 48abc^3$	11) $2x^2y - 2xy^2 + 4xy$	12) $9r^8 - 18r^2s - 24rs^2$

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8.1 HOMEWORK ASSIGNMENT

Factor the following example problems using the GCF.

Remember you can check your answers using the distributive property.

1) $7x + 49$	2) $8m - 6$	3) $5a^2 - 15$
4) $12c^2 - 20cd^2$	5) $36a^2 + 24a$	6) $18x^4 - 12x^2$
7) $81m + 48mn$	8) $8ab - 56a$	9) $a^2b^2 + a$
10) $8m^2n^2 - 24mn^3 + 16mn$	11) $9xz^3 + 18yz^2 + 24z^2$	12) $5a^2b^2 + 10ab + 25a$