Name_____   Date _____

Mr. Tallman

Lesson #49 – Factoring with GCF

Prior Knowledge Vocab:

- A _____ is a number that is multiplied by another number to get a product.

- _____ _____ _____ 	is the largest factor two numbers have in common.

How can we write 6 as the product of two factors? _____

Example 1) Rewrite $5x + 10$ as the product of two factors.

Example 2) Factor the expression $8n - 12$ to its simplest form.

Example 3) Factor the expression $12 + 20y$ to its simplest form.

Now, You Try! Factor the following to their simplest forms.

4) $2x + 2$	5) $5x - 15$
6) $9 + 3x$	7) $16 - 4x$

On Your Own. Factor the following to their simplest forms.

8) $4x - 16$	9) $3x + 18$
10) $16x + 12$	11) $20x - 15$
12) $8x - 10 + 2y$	13) $5x - 10y + 25$
14) $12x^2 + 8x - 16$	15) $9xy + 6x - 18y + 12$