**Factoring Polynomials by Grouping, Category 2 (A.4A), PH 9.8, Continued**

In the last lesson we factored polynomials with 4 terms using the Factor by Grouping Method.

This process involves:

* Grouping the polynomial into 2 binomials
* Factoring the GCF from each binomial
* Writing the expression in factor form

In this lesson we will continue this method; however, we will start the process by checking if we can

factor out a GCF from the expression.

**Example 1**

Factor

 First factor out the GCF,

 Group terms as binomials, based on common factors

 Factor out the GCF from each binomial

Both terms have a common multiplier, . The common multiplier is being multiplied by and by . Show this multiplication using distributive property notation.

  Factored form

**Try It**

Factor by Grouping, remember to factor out the GCF

**Practice: Factoring Polynomials by Grouping, Category 2 (A.4A), PH 9.8**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Factor Completely Using the Grouping Method**

**Express your understanding in words.**

1. Describe the process for factoring four-term polynomial using the grouping method.