

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## 7.4 Part 1 Factoring the GCF Of Polynomials

**Essential Question** How can you solve a polynomial equation?

GCF stands for \_\_\_\_\_

The process of factoring by \_\_\_\_\_ the greatest common factor can be best stated as

“the \_\_\_\_\_.” In the distributive property, one is

\_\_\_\_\_ a certain \_\_\_\_\_ to all the \_\_\_\_\_. In factoring by GCF, one is

\_\_\_\_\_ all of the terms by the \_\_\_\_\_.

$$5x^2(4x^4 + 3)$$

**Factor the greatest common factor:  $8y^5 - 12y^3 + 4y$**

**Factor the greatest common factor:  $14z^8 + 24z^7 - 30z^3$**

**Factor the greatest common factor:  $16c^7 - 6c^3$**

**Factor the greatest common factor:  $28a^3b^2 - 36a^2 - b^5$**