

Very similar to factor GCF in regular numbers. We have to find the largest number, variable, and exponent from all the terms. Unlike when we add/subtract we can factor number, variable, and exponent from each expression.

**Example:**  $13a^4 + 39a^3$

Factor Number  $13(a^4 + 3a^3)$

Factor Number  $13a^3(a + 3)$

$$2a^4 + 4a^3$$

$$( \quad + \quad )$$

$$8a^5 + 81a^3$$

$$( \quad + \quad )$$

$$9b^4 + 27b^3$$

$$( \quad + \quad )$$

$$5x^3 + 10x^6$$

$$( \quad + \quad )$$

$$6a^4b^4 + 9a^3b^4$$

$$( \quad + \quad )$$

$$3a^2b^2 + 39a^3$$

$$( \quad + \quad )$$

$$7x^4y^4 + 14x^3y^7$$

$$4x^4y^4z^2 + 2x^4y^4z$$