

Name \_\_\_\_\_ Pd \_\_\_\_\_ Date \_\_\_\_\_ **Section 2.R.4**

## Review - Factoring & Solving Quadratic Equations

Greatest Common Factor = \_\_\_\_\_ coefficient and \_\_\_\_\_ exponent on the variable

Ex. 1 Factor the expression.

$$9ab^3c^5 - 15ab^4c^2$$

You Try 2 Factor the expression.

$$14x^4yz^2 + 35x^2y^3z^2$$

Solving a quadratic equation means to find the \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.

\*\*Always look for a GCF first!

Ex. 3  $15x^2 - 25x + 10 = 0$

You Try 4  $6x^2 - 21x - 45 = 0$

What if your equation is not already set equal to 0? Use inverse operations to make one side equal to 0.

Ex. 5  $x^2 - 10 = 3x - 6$

You Try 6  $2x^2 - 8x - 4 = 3x - x^2$

\*\*ANOTHER STRATEGY: Substitute the solution options and see if you get true statements!