MCF3MI

Unit 3 Day 6

Solving by Factoring - Day 1

## Recall;

A quadratic equation:

- Is any equation with a squared variable.
- There is only one variable in the equation.
- To SOLVE it, you need to find the VALUE(S) for the VARIABLE that make(s) the equation true.
- The solutions are called the roots of the equation.

## To SOLVE a quadratic equation by factoring...

- **!** Rewrite the equation in standard form (ie.  $ax^2 + bx + c = 0$ ).
- **☼** Factor the quadratic.
- 3. Solve each factor as a linear equation (ie. Let each factor equal zero and then solve -Lesson 2).
- These values are your solutions to the quadratic equation.
- 5. To check, substitute the solution(s) back into the equation and make sure the equation

