

## Algebra 2

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

### 5-2B Solving Equations by Factoring (GCF)

Per. \_\_\_\_\_

**State Standard:** MA.2.8.6-8.F Solve and graph equations and inequalities using scientific and graphing calculators and computer spreadsheets.

**Objective:** At the end of this lesson you should be able to solve equations by factoring.

#### Daily Questions:

Multiply this expression.

Solve the following by factoring.

1)  $4(2x^2 + 5x - 12)$

2)  $x^2 + 4x - 21 = 0$

#### Greatest Common Factor -

Solve the following equations by factoring to find the zeros. Check for GCF first.

1)  $y = 4x^2 - 24x + 32$

2)  $y = 6x^2 - 4x - 10$

3)  $y = 5x^2 + 30x - 25$

**Assessment / Homework:** Factoring trinomials worksheet. Factor and then solve.