

## Algebra 2

### Unit 6.1 I Can Sheet – Factoring Polynomials

I Can...

- Factor & solve polynomials using the various methods
  - Difference of squares
  - Perfect square trinomials
  - Grouping
  - General factoring (with 3 terms)
- Explain the meaning of the solutions in application problems and determine if the solutions are reasonable given the scenario.

*Items in bold should be turned in to me or placed in your binder.*

\_\_\_\_\_ **notes (3)**

\_\_\_\_\_ **puzzle**

\_\_\_\_\_ **book assignment**

\_\_\_\_\_ extra video example

\_\_\_\_\_ factoring ws

\_\_\_\_\_ solving ws

\_\_\_\_\_ pre-mc

\_\_\_\_\_ **mastery check**

Pre-MC:

*Factor completely.*

1.  $4b^3 + 2b^2 + 8b$

2.  $16w^4 - 144$

3.  $64 - 27x^3$

4.  $49x^3 - 35x^2 + 56x - 40$

Solve by factoring.

5.  $2x^5 + 24x = 14x^3$