Algebra 2

<u>Unit 4.5 I Can Sheet – Solving Quadratics with the Quadratic Formula / Discriminant</u>

Name: _____

Standards: Q.3
I Can…
- *Describe where to find the discriminant and explain the use of it*
- *Calculate the solutions using the quadratic formula*
- *Apply the quadratic formula in real-life scenarios and explain your solutions*

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

_____video notes (2)

_____worksheet 1

_____word problems ws

_____extra ws 1

_____extra video

_____Pre-MC

_____mastery check

Pre-MC:
Solve using the quadratic formula.

1. $x^2 = 3x + 3$

2. $5x^2 + 3x + 1 = 0$

3. What is a discriminant and why is it useful?

Find the discriminant and list the number and type of solutions the quadratic will have.
4. $6p^2 - 2p - 3 = 0$