ALGEBRA 2
Proficiency Scale: Quadratic Functions

Essential Learning Target: I can find the vertex and all complex zeros of a quadratic function and graph it with precision.

Scoring Guidelines

SCORE 4.0	In addition to Score 3.0, in-depth inferences and applications that go beyond what was taught. I can use ~~the discriminate to justify my solutions.~~ ~~I can explain my reasoning for using a method.~~
SCORE 3.0	The student will: I can find all the complex zeros of a quadratic function and simplify them completely. **4.5 completing Square** The student exhibits no major errors or omissions. **4.6 Quadratic Formula** **4.7**
SCORE 2.0	There are no major errors or omissions regarding the simpler details and processes as the student: Recognizes or recalls specific terminology as: Quadratic Roots/Zeros/Solutions Leading Coefficient Constant Term Zero Product Property Imaginary Number Complex Number Discriminate Completing the Square Square Root Method Quadratic Formula Factored Form Performs basic processes, such as: I can solve for real zeros of a quadratic function by factoring. **4.1 (2 classes)** I can solve for real zeros of a quadratic function using the square root method. **4.2** I can simplify pure imaginary numbers. **4.3** I can add, Subtract, Multiply and Divide complex numbers. **4.4**