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| **LG #** | **L209** | **Standards:** | **N-CN.1.1, N-CN.1.2, N-CN.3.7** |
| **4.0** | **In addition to Score 3.0, in-depth inferences and applications that go beyond instruction to the standard.**  **The student will be able to:**   * Graph the focus, directrix, and parabola when given its equation. * Simplify complex numbers under the operation of division.   **No major errors or omissions regarding the score 4.0 content.** | | |
| **3.5** | In addition to 3.0, in-depth inferences and applications with partial success. | | |
| **3.0** | **Students will be able to derive solutions from quadratic functions, including complex, and perform operations on complex numbers.**  **The student will be able to:**   * Use the relation i² = –1 and the commutative, associative, and distributive properties to add, subtract, and multiply complex numbers (N-CN.1.2) * Solve quadratic equations with real coefficients that have complex solutions.   (N-CN.3.7)  **No major errors or omissions regarding the score 3.0 content (simple or complex).** | | |
| **2.5** | No major errors or omissions regarding 2.0 content and partial knowledge of 3.0 content. | | |
| **2.0** | **The student recognizes and describes specific terminology such as:**   |  |  |  | | --- | --- | --- | | * Complex Number | * Imaginary Number | * Real Number |   **The student will be able to:**   * Know there is a complex number i such that i² = –1, and every complex number has the form a + bi (a and b are real numbers). (N-CN.1.1) | | |
| **1.5** | Partial knowledge of the score 2.0 content, but major errors or omissions regarding score 3.0 content. | | |
| **1.0** | With partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | | |
| **0.5** | With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes. | | |
| **0.0** | Even with help, no understanding or skill is demonstrated | | |