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| **LG #** | **A202** | **Standards:** | **A-CED.1.1, A-CED.1.2, A-CED.1.3, A-CED.1.4, N-Q.1.2** |
| **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:**   * Synthesize multiple situations into a system of algebraic equations. * Create examples and counter-examples to show if a solution exists in a real world context.   **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 create literal equations and inequalities, including constraints that represent real world mathematical relationships.**  **The student will be able to:**   * Create and use rational equations and inequalities to solve problems`. (A-CED.1.1) * Create equations in two or more variables to represent relationships between quantities. (A-CED.1.2) * Represent constraints by equations or inequalities. (A-CED.1.3) * Represent constraints by systems of equations or inequalities. (A-CED.1.3) * Interpret solutions as viable or not viable options in a modeling context and decide if they are reasonable. (A-CED.1.3) * Solve formulas for a specified variable. (A-CED.1.4) * Define appropriate quantities for the purpose of descriptive modeling. (N-Q.1.2)   **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:**   |  |  |  | | --- | --- | --- | | * Constraint | * Domain | * Inequality | | * Formula | * Range | * Modeling | | * Literal Equation | * Interpret | * System |   **The student will be able to:**   * Solve rational equations. (A-REI.1.2) * Solve exponential equations. (F-LE.1.4) * Create and use absolute value equations and inequalities to solve problems.   (A-CED.1.1)   * Create and use exponential equations to solve problems. (A-CED.1.1) * Graph equations on coordinate axes with appropriate labels and scales. (A-CED.1.2) | | |
| **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 | | |