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| **LG #** | **L103** | **Standards:** | **A-REI.1.1, A-REI.1.2, A-REI.2.3, A-REI.4.10** |
| **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:**   * Solve multi-step rational and radical equations with extraneous solutions and justify reasoning.   **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 solve rational and radical equations and inequalities in one variable, and justify reasoning.**  **The student will be able to:**   * Construct a viable argument to justify a solution method (A-REI.1.1) * Give examples of simple rational and radical equations in one variable that show how extraneous solutions may arise. (A-REI.1.2) * Solve equations in one variable with coefficients represented by letters. (A-REI.2.3) * Understand that the graph of an equation in two variables is the set of all its solutions plotted in the coordinate plane, often forming a curve (which could be a line). (A-REI.4.10)   **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:**   |  |  |  | | --- | --- | --- | | * Variable | * Linear Inequality | * Factor | | * Linear Equation | * Coefficient | * Extraneous solution |   **The student will be able to:**   * Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. (A-REI.1.1) * Solve simple rational or radical equations in one variable. (A-REI.1.2) * Solve linear equations in one variable. (A-REI.2.3) * Solve linear inequalities in one variable. (A-REI.2.3) | | |
| **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 | | |