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| **LG #** | **A203** | **Standards:** | **A-REI.1.1, A-REI.1.2, N-RN.1.1, N-RN.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:**   * Generate examples of radical equations that result in extraneous solutions. * Simplify nested radicals.   **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 simple rational and radical equations including justifications and extraneous solutions.**  **The student will be able to:**   * Justify each step in solving a simple equation. (A-REI.1.1) * Solve simple rational equations in one variable, and identify extraneous solutions.   (A-REI.1.2)   * Solve simple radical equations in one variable, and identify extraneous solutions.   (A-REI.1.2)   * Apply the properties of exponents to justify whether two expressions are the same.   (N-RN.1.2)   * Prove, using the properties of exponents, that radicals and rational exponents are related. (N-RN.1.1)   **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:**   |  |  |  | | --- | --- | --- | | * Solution | * Rational Exponent | * Radicand | | * Extraneous Solution | * Root | * Index | | * Rational Expression | * Radical |  |   **The student will be able to:**   * Rewrite expressions involving radicals and rational exponents using the properties of exponents. (N-RN.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 | | |