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| **LG #** | **L210** | **Standards:** | **F-LE.1.4, N-RN.1.1, N-RN1.2** |
| **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:**   * Explain a multi-step exponential or logarithmic expression.   **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 construct, compare and interpret exponential and logarithmic models, utilizing rational exponents and radicals.**  **The student will be able to:**   * For exponential models, express as a logarithm the solution to abct = d where a, c, and d are numbers and the base b is 2, 10, or e. (F-LE.1.4) * Explain how the definition of the meaning of rational exponents follows from extending the properties of integer exponents to those values, allowing for a notation for radicals in terms of rational exponents. (N-RN.1.1) * Rewrite expressions involving radicals and rational exponents using the properties of exponents. (N-RN.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:**   |  |  |  | | --- | --- | --- | | * Radical | * Base | * Rational | | * Logarithm | * Integer | * Exponent |   **The student will be able to:**   * Evaluate the logarithm using technology (F-LE.1.4) * Understand the properties of integer exponents. (N-RN.1.1, 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 | | |