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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:**

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| * Radical
 | * Base
 | * Rational
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| * Logarithm
 | * Integer
 | * Exponent
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**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)
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| **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 |