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| **LG #** | **MCR10** | **Standards:** | **A-CED.1.1, A-CED.1.2, A-CED.1.3, A-CED.1.4** |
| **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, systems of 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)

**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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| * 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)
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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 |