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| **LG #** | **L104** | **Standards:** | **A-REI.3.5, A-REI3.6, A-REI.4.11, A-REI4.12** |
| **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:*** Create a real world situation for which a given set of inequalities would apply.

**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 systems of linear equations and inequalities, algebraically and graphically.****The student will be able to:*** Prove that, given a system of two equations in two variables, replacing one equation by the sum of that equation and a multiple of the other produces a system with the same solutions. (A-REI.3.5)
* Solve systems of linear equations exactly and approximately (e.g., with graphs), focusing on pairs of linear equations in two variables. (A-REI.3.6)
* Find the solutions approximately, e.g., using technology to graph the functions, make tables of values, or find successive approximations. Include cases where f(x) and/or g(x) are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.A-REI.4.11)
* Graph the solution set to a system of linear inequalities in two variables as the intersection of the corresponding half- planes. (A-REI.4.12)

**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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| * System of equations
 | * Strict inequality
 | * Point of intersection
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| * System of inequalities
 | * Substitution
 | * Solution
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| * Half-plane
 | * Elimination
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**The student will be able to:*** Explain why the x-coordinates of the points where the graphs of the equations y = f(x) and y = g(x) intersect are the solutions of the equation f(x) = g(x).(A-REI.4.11)
* Graph the solutions to a linear inequality in two variables as a half- plane (excluding the boundary in the case of a strict inequality).

(A-REI.4.12) |
| **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 |