|  |  |  |  |
| --- | --- | --- | --- |
| **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:**   |  |  |  | | --- | --- | --- | | * System of equations | * Strict inequality | * Point of intersection | | * System of inequalities | * Substitution | * Solution | | * Half-plane | * Elimination |  | |  |  |  |   **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 | | |