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| **LG #** | **A204** | **Standards:** | **A-REI.3.6, A-REI.3.7, A-REI.4.11** |
| **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:**   * Extend the method of solving 3x3 systems into solving systems of higher dimensions. * Create systems of inequalities to represent optimization (minimization/maximization) problems in 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 solve systems of linear and quadratic equations, including 3x3 systems.**  **The student will be able to:**   * Solve systems of linear equations in three variables algebraically and graphically.   (A-REI.3.6)   * Solve a simple system consisting of a linear equation and a quadratic equation in two variables algebraically and graphically. (A-REI.3.7) * 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) * Find the solutions of any system approximately (e.g., using technology to graph the functions, make tables of values). Include cases where f(x) and/or g(x) are linear, polynomial, rational, absolute value, exponential, and logarithmic functions.   (A-REI.4.11)  **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 | * Solutions | * Substitution | | * Equivalent Systems | * Elimination |  |   **The student will be able to:**   * Solve a system of linear equations in two variables algebraically and graphically.   (A-REI.3.6)   * Explain why some systems have no solutions and identify systems that have infinitely many solutions. (A-REI.4.11) | | |
| **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 | | |