EA2 Unit 3 Algebra student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Scoring  Guide | 4  (Exemplary) | 3  (Proficient) | 2  (Emerging) | 1  (Incomplete) |
| Mathematical Modeling / Representations  (1a) | Correctly writes a system of equations representing the real world situation AND clearly defines each variable used. | Correctly writes the system of equations and does NOT clearly define each variable.  OR has one error with one equation and DOES cleary define each variable. | Has two errors with one equation or one error with each equation AND clearly defines each variable.  OR Has an error with one equation and does NOT clearly define each variable. | Incorrectly writes both equations and does NOT define each variable. |
| Mathematical Knowledge & Thinking/  Problem Solving  (1b) | Correctly solves system using elimination or substitution AND justifies reasonableness of the solution. | Correctly solves system and does NOT justify reasonableness of the solution.  OR  Has an error in solving the system and does justify reasonableness. | Has an error in solving the system and does NOT justify reasonableness of the solution.  OR  Has multiple errors in solving the system and some attempt at justifying solution. | Has multiple errors in solving the system of equations and does NOT justify the reasonableness of the solution. |
| Reasoning & Communication  (1c) | Correctly chooses which graph of the system represents the situation AND explains why. | Correctly chooses the correct graph and does NOT explain why.  OR  Chooses incorrect graph with adequate explanation | Chooses incorrect graph with an inadequate explanation. | Chooses incorrect graph and does NOT explain why. |
| Mathematical Modeling / Representations  (2a) | Correctly writes a system of inequalities to represent the real-world situation. | Corrrectly writes 2 out of 3 inequalities. | Correctly writes 1 out of 3 inequalities. | Writes 0 out of 3 inequalities, but does write 3 incorrect inequalities. |
| Mathematical Knowledge & Thinking  (2b) | Correctly graphs all 3 inequalities  OR  correctly graphs inequalities with errors. | Correctly graphs 2 out of 3 inequalities.  Has 3-4 parts of inequalities correct(shading and boundary line type). | Correctly graphs 1 out of 3 inequalities.  Has 1-2 parts of inequalities correct. | Graphs 0 out of 3 inequalities correctly.  Has 0 parts of inequality graphs correct. |
| Problem Solving/ Reasoning & Communication  (2c) | Correctly determines which package is unacceptable AND justifies the answer using the table or the graph. | Correctly determines which package is unacceptable and does NOT justify answer.  OR  Incorrectly determines the unacceptable package and gives adequate justification. | Incorrectly determines which package is unacceptable with an inadequate justification. | Incorrectly determines which package is unacceptable and does NOT justify. |

\*\*Score of 0 is given for blank or all incorrect answers for a topic. Any question as to a score that would fall in-between two categories will be decided on an overall evaluation of student performance for the topic.