EA4 Unit 4 Algebra student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_\_\_\_\_\_

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| Scoring  Guide | 4  (Exemplary) | 3  (Proficient) | 2  (Emerging) | 1  (Incomplete) |
| Mathematical Knowledge & Thinking  Problem Solving  Mathematical Modeling/ Representations  (1a, b) | Clear and accurate diagram of the stage.  Clear and accurate factoring of a polynomial. | Draws diagram without labeling inside areas or outside dimensions.  OR labels with an error causing an error with factors.  OR an error with the factors | Correct diagram with labels  OR  Correct factors  BUT not both. | No diagram drawn and errors with factors. |
| Problem Solving  Mathematical Knowledge & Thinking  (2) | Clear and accurate factoring of a polynomial. | One error with writing factors. | Two errors with writing factors. | Unclear and inaccurate factoring of a polynomial. |
| Mathematical Knowledge & Thinking  Problem Solving  Reasoning and Communication  (3) | Clear and accurate factoring of a polynomial.  Accurate description describing the relationship between the expression and a constraint. | Clear and accurate factoring of the polynomial, but does not explain Fuchia’s demand.  OR  Has an error with factoring of the polynomial causing an error with explanation. | Has 1-2 errors with factoring with correct explanation.  OR  Has explanation without factoring. | Errors with factoring and unclear/error with explanation. |
| Mathematical Knowledge & Thinking  Problem Solving  Reasoning and Communication  (4) | Clear and accurate factoring of a polynomial.  Precise use of appropriate math terms to identify AND explain whether the foreman or his assistant is correct. | Clear and accurate factoring of the polynomial, but does not explain who is correct  OR  Has an error with factoring of the polynomial causing an error with explanation. | Has 1-2 errors with factoring with correct explanation.  OR  Has explanation without factoring. | Errors with factoring and unclear/error with explanation. |
| Mathematical Knowledge & Thinking  Problem Solving  (5, 6) | Clear and accurate factoring of both polynomials. | One error with factoring. | Two errors with factoring | Three or more errors with factoring. |

\*\*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.