EA3 Unit 3 Core 8 student Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_\_\_\_\_\_

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| Scoring  Guide | 4  (Exemplary) | 3  (Proficient) | 2  (Emerging) | 1  (Incomplete) |
| Mathematical Knowledge & Thinking  (1) | Correctly determines the length of the missing sides AND shows clear evidence. | Correctly determines the length of one side with evidence and has an error in determining the length of the 2nd side. | Correctly determines the length of both sides and does NOT show evidence.  OR  has an error in determining the length of each side. | Incorrectly determines the length of both sides and does NOT show evidence. |
| Mathematical Knowledge & Thinking  (2a,b,c) | Correctly determines all 3 angle measurements. | Correctly determines 2 out of the 3 angle measurements. | Correctly determines 1 out of the 3 angle measurements. | Correctly determines 0 out of the 3 angle measurements AND has evidence. |
| Mathematical Knowledge & Thinking  Mathematical Modeling / Representations  (3a) | Correctly lists the four ordered pairs of Q’U’A’D’ and correctly sketches the picture of Q’U’A’D’. | Uses incorrect scale factor and correctly sketches picture based on error.  OR  Correctly lists four ordered pairs and has errors in sketch.  OR  Correctly sketches picture and has errors in ordered pairs. | Correctly sketches graph and does NOT list the ordered pairs.  OR  Correctly lists ordered pairs and does NOT sketch the picture.  OR  Uses incorrect scale factor and has error with sketch. | Ordered pairs and sketch are incorrect and are not based on the same scale factor. |
| Mathematical Knowledge & Thinking  Problem Solving  (3b,c) | Correctly determines the ratio of the perimeter of Q’U’A’D’ to QUAD.  Correctly determines the ratio of the area of Q’U’A’D’ to QUAD. | Correctly determines the ratio for the perimeters and has an error in evidence for the ratio of the areas.  OR  correctly determines the ratio of the areas and has an error in the evidence for the ratio of the perimeters. | Correctly determines either the ratio of the perimeters OR the ratio of the areas, but not both. | Does not correctly determine the ratio of the perimeters AND does not determine the ratio of the areas. Does show work/have an answer. |
| Problem Solving  Reasoning & Communication  (4) | Correctly determines whether or not triangle ABC is similar to triangle DEF AND justifies/defends the answer | Incorrectly determines whether or not triangles are similar and defends the answer(with an error)  OR  correctly determines whether or not the triangles are similar and has an error in defending the answer. | Correctly determines whether or not triangles are similar and does NOT defend the answer.  OR  Incorrectly determines whether or not triangles are similar and has errors in defending the answer. | Incorrectly determines whether or not the triangles are similar and does NOT defend the answer. |

\*\*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.