**Day 4 HW – Geometry**  Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_per.\_\_\_

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| **C-Quality**  Mark everything that is true about a rhombus’ sides & diagonals. Then, describe any angle relationships. **If angle ABE = 33 degrees, what are all the other angles?** |
| **B-Quality**  **What is the name of this shape?**  **Find the Length of AB:**  **What is the Perimeter?**  **What is the Area?** |
| **A-Quality (hint: You’ll need trig here)**  **Find the missing values:**  **Find the Perimeter: Find Area:** |

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| **C-Quality**  Plot and connect the points. What kind of triangle is NOD? Justify your answer. | NO = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  DO = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ND = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Area: \_\_\_\_\_\_  ***5 pts***  Perimeter: \_\_\_\_\_\_\_\_\_\_ |
| **B-Quality**  Plot and connect the points to make quadrilateral ABCD. Find the values at right and then explain why it is rhombus. | AB = \_\_\_\_\_\_\_\_\_\_\_\_\_\_  BC = \_\_\_\_\_\_\_\_\_\_\_\_\_\_  DC = \_\_\_\_\_\_\_\_\_\_\_\_\_\_  AD = \_\_\_\_\_\_\_\_\_\_\_\_\_\_  Area: \_\_\_\_\_\_  ***5 pts***  Perimeter: \_\_\_\_\_\_\_\_\_\_ |
| **A-Quality**  Plot and connect the points to make quadrilateral MATH. Answer the questions at right.  MA = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  AT = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  HT = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MH = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | What is the best name for the shape of MATH? Justify your answer.  Area: \_\_\_\_\_\_  ***5 pts***  Perimeter: \_\_\_\_\_\_\_\_\_\_ |