**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.$$N\left(-1, 3\right), O\left(1, 7\right),D(5, 2)$$ | NO = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_DO = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ND = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Area: \_\_\_\_\_\_***5 pts***Perimeter: \_\_\_\_\_\_\_\_\_\_ |
| **B-Quality**Plot and connect the points $A\left(1, 4\right), B\left(6, 6\right), C\left(4, 1\right), D(-1, -1)$ 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 $M\left(1, 5\right), A\left(5, 7\right), T\left(7, 3\right), D(3, 1)$ 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: \_\_\_\_\_\_\_\_\_\_ |