Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_per.\_\_\_\_\_\_ ***GEOMETRY; Tuesday; Feb. 21st***

***Slopes & Quadrilaterals***

***D6 HW = Review for Quiz***

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| 1. C-Quality  Consider quadrilateral WXYZ with vertices W(–2, 3), X(–1, 8), Y(9, 6), and Z(8, 1). | Is this quadrilateral a parallelogram? A trapezoid? A rectangle? A rhombus? A square?  Justify your answer using slopes and distances.  Area: \_\_\_\_\_\_\_\_\_\_\_\_  Perimeter: \_\_\_\_\_\_\_ |
| 2. B-Quality  Consider quadrilateral STUV with vertices S(0, 2), T(2, 6), U(6, 4), and V(2, 1). | How many right angles does STUV have? Justify your answer using slopes.  Prove that STUV  is a trapezoid.  Area: \_\_\_\_\_\_\_\_\_  Perimeter: \_\_\_\_\_\_ |
| 3. A – Quality  **Can you determine the perimeter of this composite shape?**  **If yes—do it. If no, state why not.**  **Can you determine the area of this composite shape?**  **If yes—do it. If no, state why not.** | |