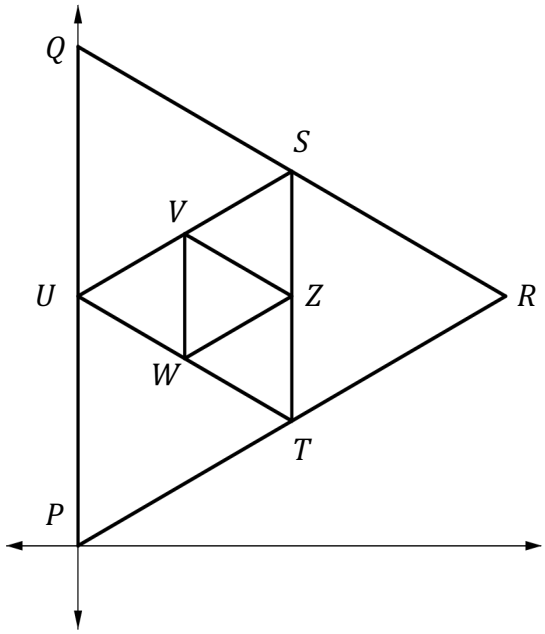
Name _____ Date_____

Triangles – Part 2
Triangle Midsegment Theorem – Part 2
Mini Assessment

1. In the diagram below, $\overline{PR} \cong \overline{RQ}$ S, T, U, V, W, and Z are midpoints.



Part A: Prove that the perimeters of $\triangle PTU$, $\triangle TRS$, $\triangle USQ$, and $\triangle SUT$ are equal.

Part B: Prove that the perimeter of $\triangle PRQ$ is twice the perimeter of $\triangle SUT$, but four times the perimeter of $\triangle SVZ$.