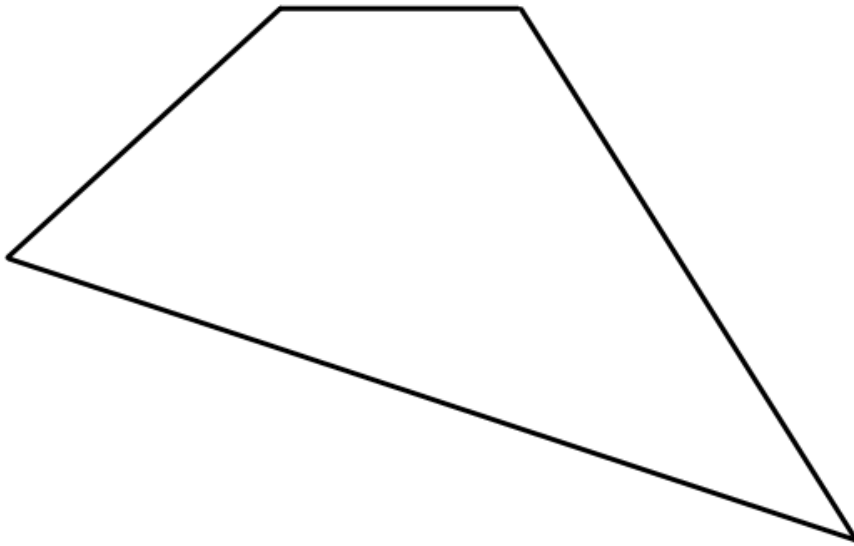# Homework: Quadrilaterals Within Quadrilaterals

The following is a non-descript quadrilateral. Find the midpoints of each side and connect them with a straightedge. Continue this pattern until you get a square.

Write a proof:

Given: $RSTV$ is a rhombus.

Prove: $\overline{RV} \parallel \overline{ST}, \overline{RS} \parallel \overline{VT}$