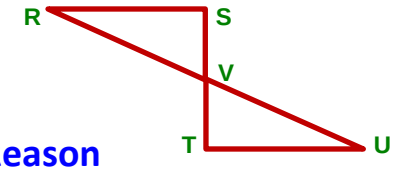
Geometry 1-2 Name _____

Assignment Period _____ Date _____

Geometric Proofs #6 – Congruent Triangles

Given: $\overline{RS} \perp \overline{ST}$ **and** $\overline{TU} \perp \overline{ST}$ **and** V is the midpoint of $\overline{ST}$

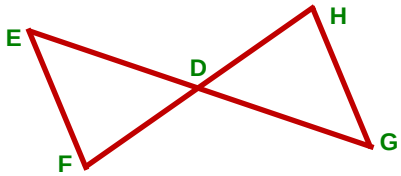
Prove: $\Delta RSV \cong \Delta UTV$



Step	Statement	Step	Reason

Given: $\overline{EG}$ and $\overline{FH}$ bisect each other at D

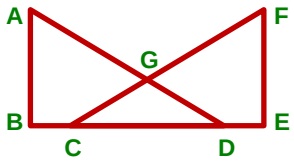
Prove: $\overline{EF} \parallel \overline{GH}$



Step	Statement	Step	Reason

Given: $\overline{AB} \cong \overline{FE}$ **and** $\overline{CG} \cong \overline{DG}$ **and** $\angle A \cong \angle F$

Prove: $\angle B \cong \angle E$



Step	Statement	Step	Reason