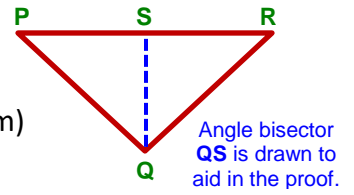


Geometric Proofs #5 – Congruent Triangles

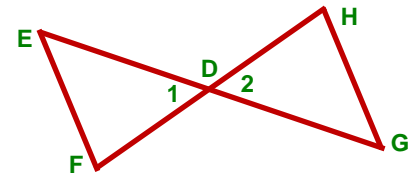


Given: $\triangle PQR$ and $\overline{PQ} \cong \overline{RQ}$ **Prove:** $\angle P \cong \angle R$ (Isosceles Triangle Theorem)

Step	Statement	Step	Reason

Given: $\angle F \cong \angle H$ and $\overline{EF} \cong \overline{GH}$

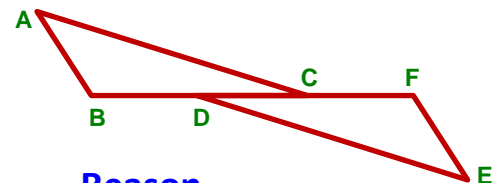
Prove: $\overline{FD} \cong \overline{HD}$



Step	Statement	Step	Reason

Given: $\overline{AB} \cong \overline{EF}$ and $\overline{AC} \cong \overline{ED}$ and $\overline{BD} \cong \overline{CF}$

Prove: $\angle A \cong \angle E$



Step	Statement	Step	Reason