Step

Geometric Proofs #5 – Congruent Triangles

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

Angle bisector QS is drawn to aid in the proof.

Step

Statement

Reason

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

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

Statement Step



Step

Step

Reason

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

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

Statement Step

