Congruent Triangle Proofs

10/26/21

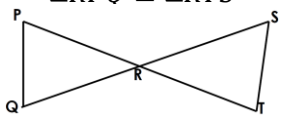
Given: $\overline{RU} \cong \overline{TU}$, $\overline{US}$ bisects $\overline{RT}$

Prove: $\Delta URS \cong \Delta UTS$

Statements	Reasons
1. $\overline{US}$ bisects $\overline{RT}$	1.
2. $\overline{RU} \cong \overline{TU}$	2. Given
3. ____ ≅ ____	3. Definition of bisect
4. ____ ≅ ____	4. Reflexive property
Δ ___ ___ ___≅ Δ___ ___ ___	5. _____ _____ _____

Given: *R* is the midpoint of $\overline{QS}$, $\angle RPQ \cong \angle RTS$

Prove: $\Delta PQR \cong \Delta TSR$



Statements	Reasons
1.	1. Given
2.	2. Given
3. $\angle PRQ \cong \angle TRS$	3.
4. ____ ≅ ____	4. Definition of Midpt
5. Δ ___ ___ ___≅ Δ___ ___ ___	5. _____ _____ _____