

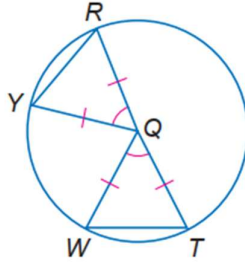
Student's Name: _____

Grade 9th

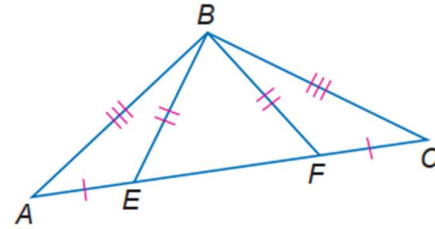
25st September, 2025

Q1) Write column proofs for the following

Prove: $\triangle QWT \cong \triangle QYR$



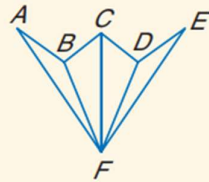
Prove: $\triangle AFB \cong \triangle CEB$

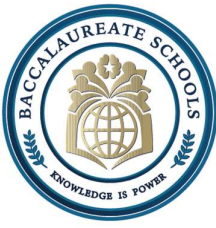


Given: $\triangle ABF \cong \triangle EDF$

$\overline{CF}$ is angle bisector of $\angle DFB$

Prove: $\triangle BCF \cong \triangle DCF$.





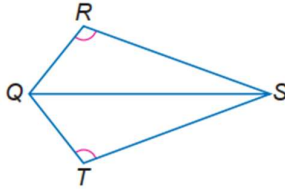
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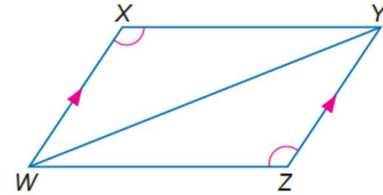
Given: $\overline{QS}$ bisects $\angle RST$; $\angle R \cong \angle T$

Prove: $\triangle QRS \cong \triangle QTS$



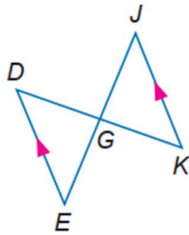
Given: $\overline{XW} \parallel \overline{YZ}$, $\angle X \cong \angle Z$

Prove: $\triangle WXY \cong \triangle YZW$



Given: $\overline{DE} \parallel \overline{JK}$, $\overline{DK}$ bisects $\overline{JE}$.

Prove: $\triangle EGD \cong \triangle JGK$



Given: $\angle F \cong \angle J$, $\angle E \cong \angle H$,
 $\overline{EC} \cong \overline{GH}$

Prove: $\overline{EF} \cong \overline{HJ}$

