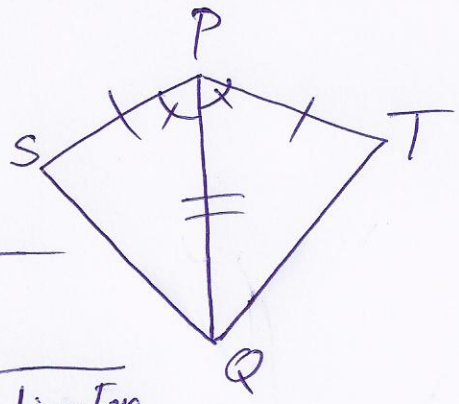
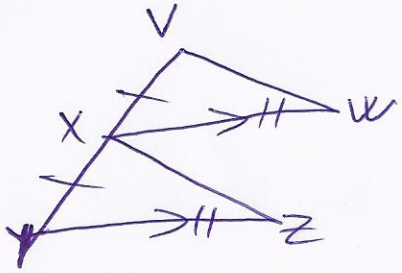
P245 N°35

Given: $\overline{PQ}$ bisects $\angle SPT$
$\overline{SP} \cong \overline{TP}$



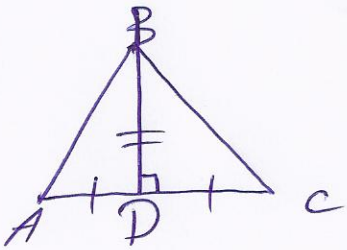
S	R
$\overline{PQ}$ bisects $\angle SPT$ $\overline{SP} \cong \overline{TP}$	Given
$\angle SPQ \cong \angle TPQ$	Definition of $\angle$ bisector
$\overline{PQ} \cong \overline{PQ}$	Reflexive prop. of $\cong$
$\triangle SPQ \cong \triangle TPQ$	SAS Post.

#36)



S	R
$\overline{VX} \cong \overline{XY}$; $\overline{XW} \cong \overline{YZ}$; $\overline{XW} \not\parallel \overline{YZ}$	Given
$\angle VXW \cong \angle XYZ$	Corresp. $\angle$s Post.
$\triangle VXW \cong \triangle XYZ$	SAS Post.

#38)



S	R
D is the midpoint of $\overline{AC}$	Given
$\overline{AD} \cong \overline{DC}$	Def. of midpoint
$\overline{BD} \cong \overline{BD}$	Refl. prop. of $\cong$
$\angle BDA \cong \angle BDC$	Right $\angle$s $\cong$ Theorem
$\triangle ABD \cong \triangle CBD$	SAS Post.