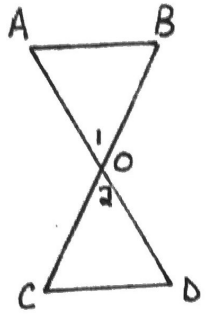
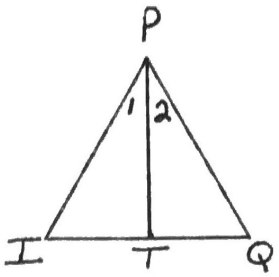
Triangle Proofs

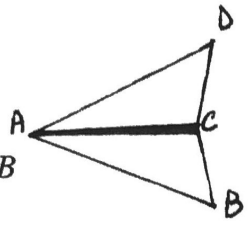
1. Given : $\angle BAO \cong \angle CDO$;
$\overline{AB} \cong \overline{DC}$
Prove : $\triangle AOB \cong \triangle DOC$



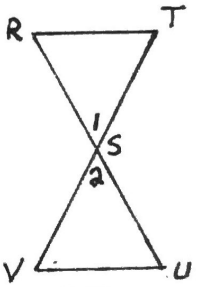
2. Given : $\angle PIT \cong \angle PQT$;
$\overline{PT}$ bisects $\angle IPQ$
Prove : $\triangle TIP \cong \triangle TQP$



3. Given : $\overline{CD} \cong \overline{CB}$
$m\angle ACD = m\angle ACB$
Prove : $\triangle ACD \cong \triangle ACB$

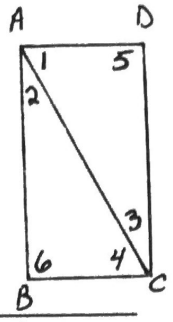


4. Given : S is the midpt of $\overline{RU}$ & $\overline{TV}$
Prove : $\triangle RST \cong \triangle USV$



5. Given : $\overline{AB} \parallel \overline{CD}$; $\overline{AB} \cong \overline{CD}$

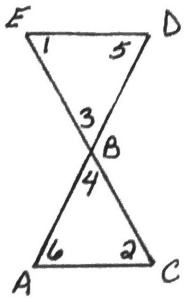
Prove : $\triangle ABC \cong \triangle CDA$



6. Given : B is the midpt of $\overline{CE}$

$\overline{AC} \parallel \overline{DE}$

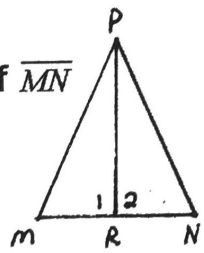
Prove : $\triangle ABC \cong \triangle DBE$



7. Given : R is the midpt of $\overline{MN}$

$\overline{PR} \perp \overline{MN}$

Prove : $\triangle MRP \cong \triangle NRP$



8. Given : $\overline{ST} \parallel \overline{RW}$

$\overline{RS} \perp \overline{ST}$ $\overline{RW} \perp \overline{WT}$

Prove : $\triangle RST \cong \triangle TWR$