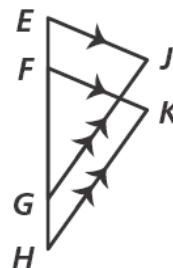


Name: _____

The SAS, ASA and SSS Postulates

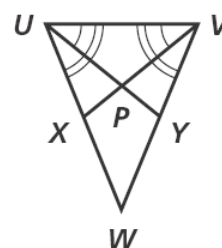
- 1) **Given:**
 $\overline{EJ} \cong \overline{FK}$, $\overline{GJ} \cong \overline{HK}$, and $\overline{EG} \cong \overline{HF}$

Prove: $\triangle VEJG \cong \triangle VFKH$



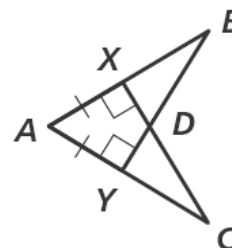
- 2) **Given:**
 $\angle XVU \cong \angle YUV$, $\angle WVU \cong \angle VWU$

Prove: $\triangle VXVU \cong \triangle VYUV$



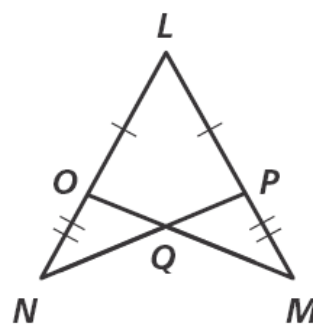
- 3) **Given:**
 $\overline{AX} \cong \overline{AY}$, $\overline{CX} \perp \overline{AB}$, and $\overline{BY} \perp \overline{AC}$

Prove: $\triangle VBYA \cong \triangle VCXA$



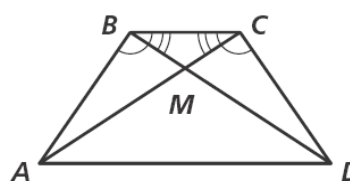
- 4) **Given:** $\overline{LP} \cong \overline{LO}$, and $\overline{PM} \cong \overline{ON}$

Prove: $\triangle VLOM \cong \triangle LPM$

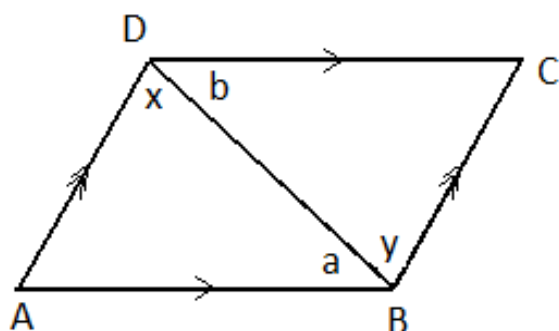


- 5) **Given:** $\triangle ABC \cong \triangle DCB$, $\triangle CBD \cong \triangle BCA$

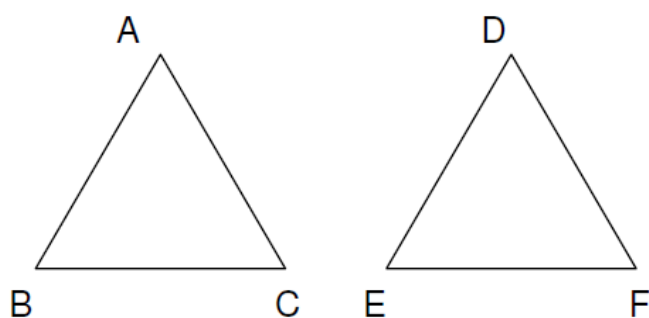
Prove: $\triangle VABC \cong \triangle VDCB$



6) Use the data in the diagram to write the given and to prove that $\triangle ABD \cong \triangle CDB$

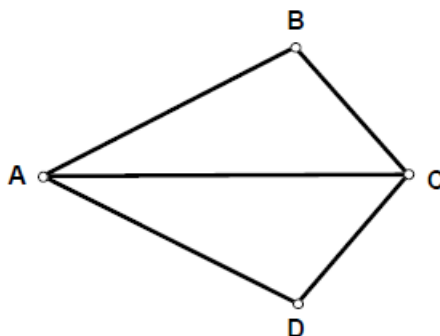


7) Given: $\overline{AB} \cong \overline{DE}$, $\overline{AC} \cong \overline{DF}$, and $\overline{BC} \cong \overline{EF}$



Prove: $\triangle ABC \cong \triangle DEF$

8) Given: AC bisects $\angle BAD$
AC bisects $\angle BCD$



Prove: $BC = DC$