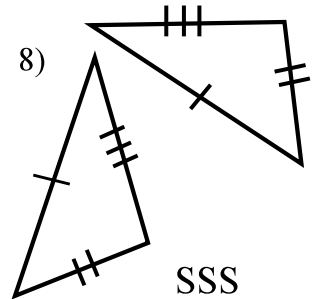
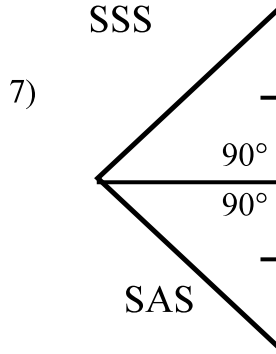
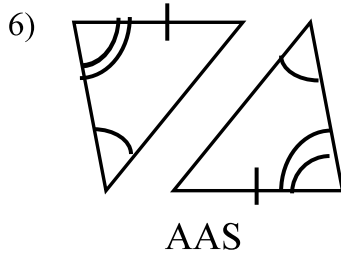
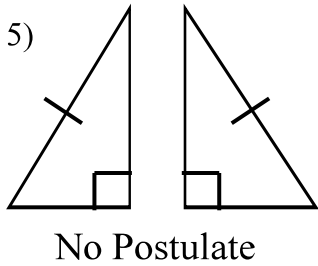
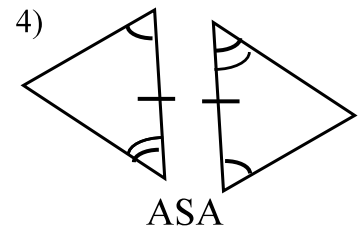
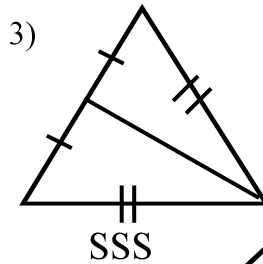
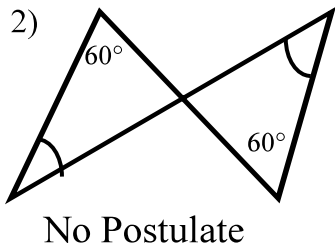
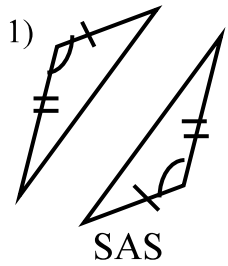


Triangle Congruence Postulates 2
Geometry

If the triangles are congruent, name the postulate(s) that prove it.

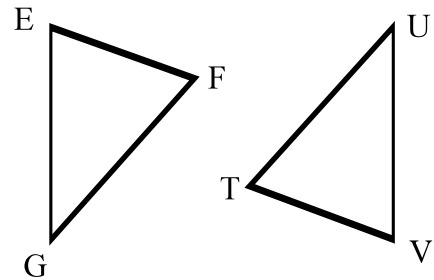


We want to know if $\triangle EFG \cong \triangle TVU$.

9) We know that $\angle G \cong \angle U$. What other information would make it possible to use SAS? $\overline{FG} \cong \overline{TU}$ and $\overline{EG} \cong \overline{VU}$

10) We know that $\overline{EF} \cong \overline{TV}$. What other information would make it possible to use ASA? $\angle E \cong \angle V$ and $\angle F \cong \angle T$

11) We know that $\overline{GE} \cong \overline{UV}$. What other information would make it possible to use SSS? $\overline{FE} \cong \overline{TV}$ $\overline{FG} \cong \overline{TU}$



Use congruence markings to show the congruent parts in each triangle, then fill in the blanks.

12) B is the midpoint of \overline{AC} . $\angle E \cong \angle D$, and $\angle A \cong \angle DBC$.

$\triangle EAB \cong \triangle DBC$ by AAS.

13) $\overline{SV} \cong \overline{SW}$, $\overline{RV} \cong \overline{TW}$. $\angle V \cong \angle W$.

$\triangle VSR \cong \triangle WST$ by SAS.

14) $\angle K \cong \angle M$, L is the midpoint of \overline{KM} .

$\triangle LJK \cong \triangle LNM$ by ASA.

