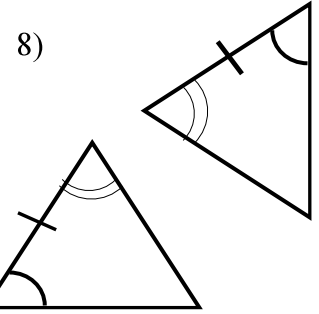
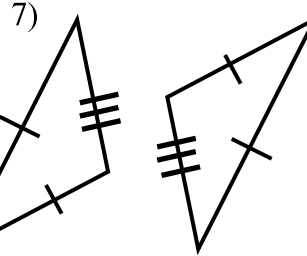
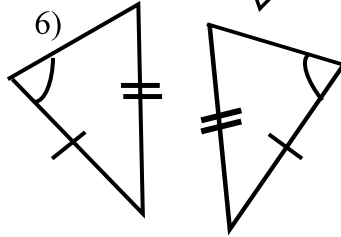
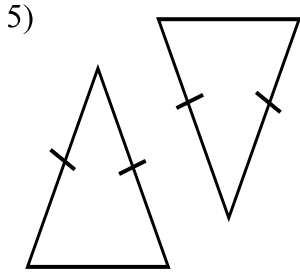
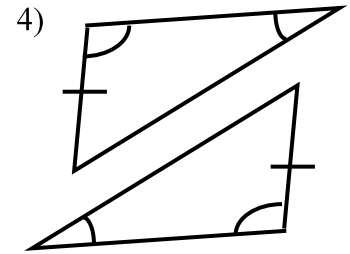
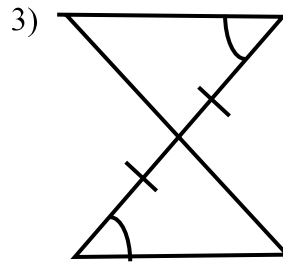
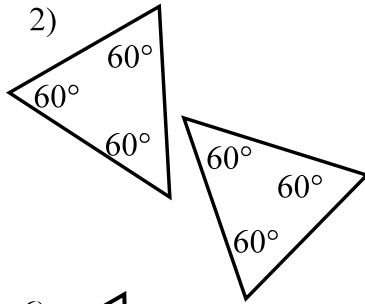
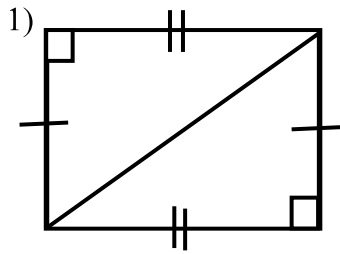


Triangle Congruence Postulates 3

Geometry

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

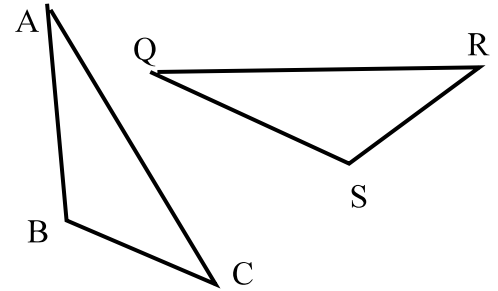


We want to know if $\triangle ABC \cong \triangle QSR$.

9) We know that $\angle B \cong \angle S$. What other information would make it possible to use ASA?

10) We know that $\overline{SR} \cong \overline{BC}$. What other information would make it possible to use SSS?

11) We know that $\overline{AC} \cong \overline{QR}$. What other information would make it possible to use SAS?

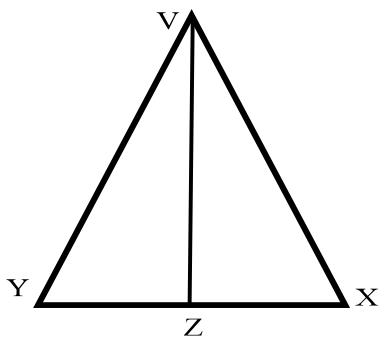


Use congruence markings to show the congruent parts in each triangle, then fill in the blanks.

12) $\triangle YVX$ is isosceles

$$\overline{YX} \perp \overline{VZ}$$

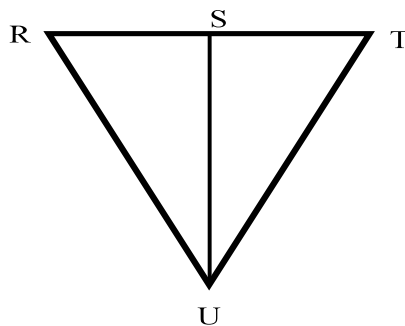
$\triangle VXZ \cong$ _____ by _____.



13) \overline{SU} is the angle bisector of $\angle RUT$

$$\overline{RU} \cong \overline{TU}$$

$\triangle RSU \cong$ _____ by _____.



14) $\triangle CDF$ is equilateral

E is the midpoint of \overline{DF}

$\triangle DEC \cong$ _____ by _____.

