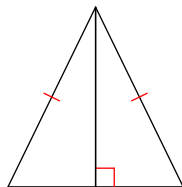


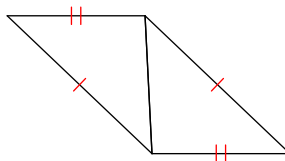
Triangle Congruence

State if the two triangles are congruent. If they are, state how you know.

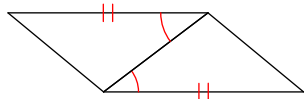
1)



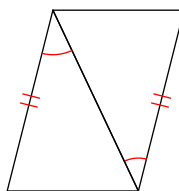
2)



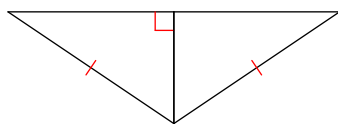
3)



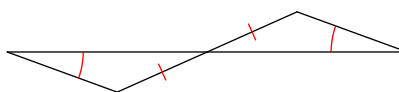
4)



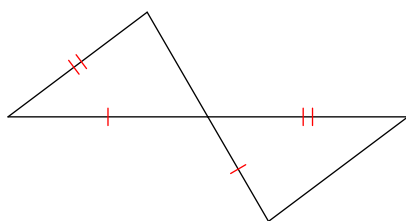
5)



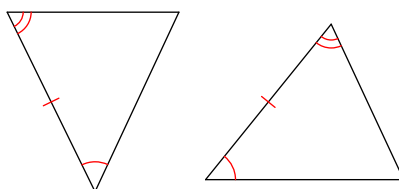
6)



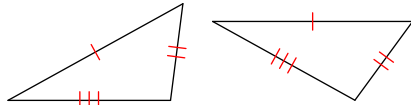
7)



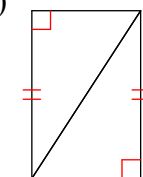
8)



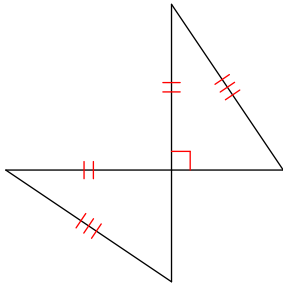
9)



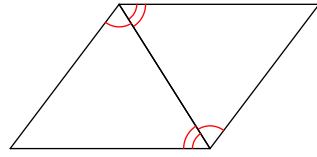
10)



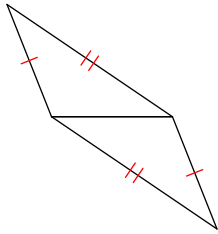
11)



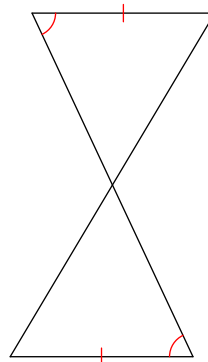
12)



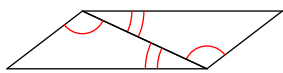
13)



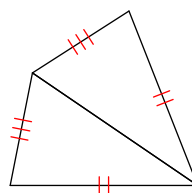
14)



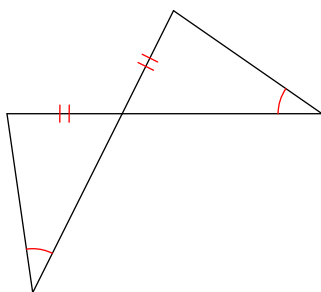
15)



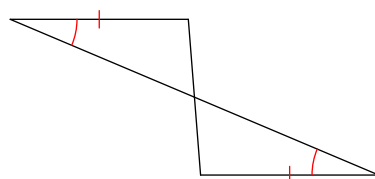
16)



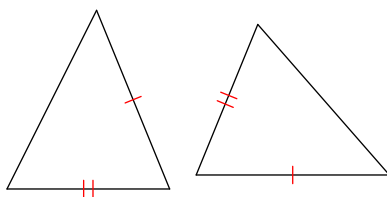
17)



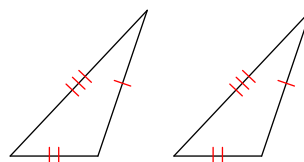
18)



19)

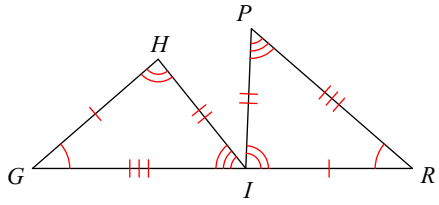


20)

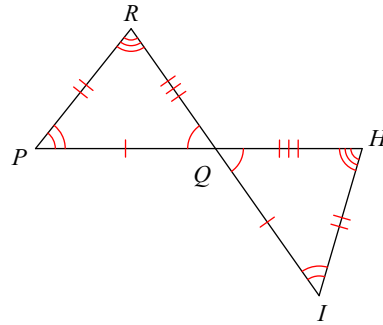


Write a statement that indicates that the triangles in each pair are congruent.

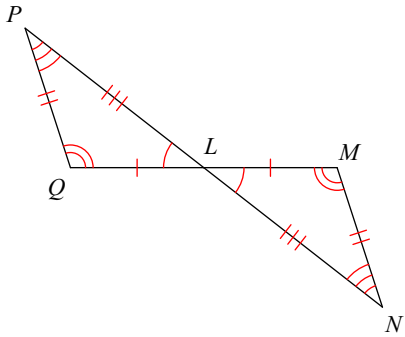
21)



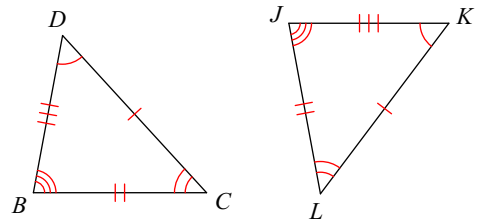
22)



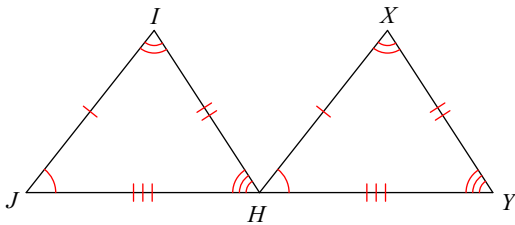
23)



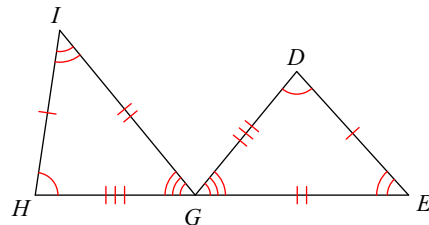
24)



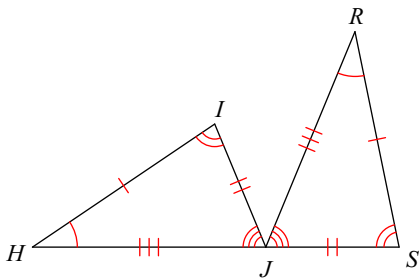
25)



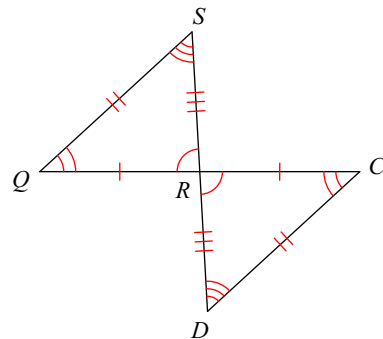
26)



27)

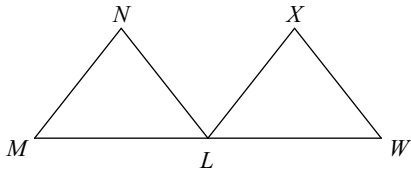


28)



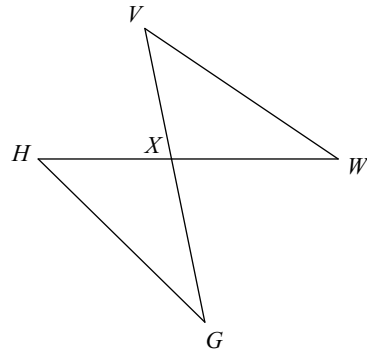
Complete each congruence statement by naming the corresponding angle or side.

29) $\triangle MNL \cong \triangle LXW$



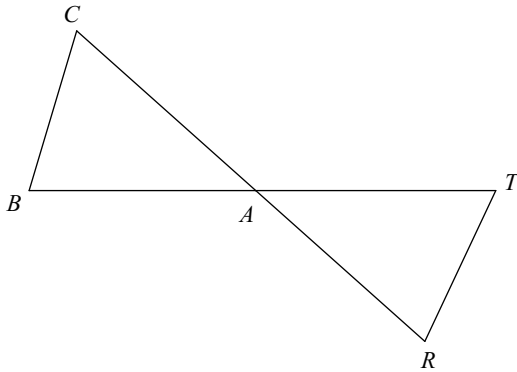
$\angle NLM \cong ?$

30) $\triangle XVW \cong \triangle XHG$



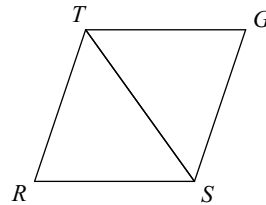
$\overline{VW} \cong ?$

31) $\triangle ABC \cong \triangle ART$



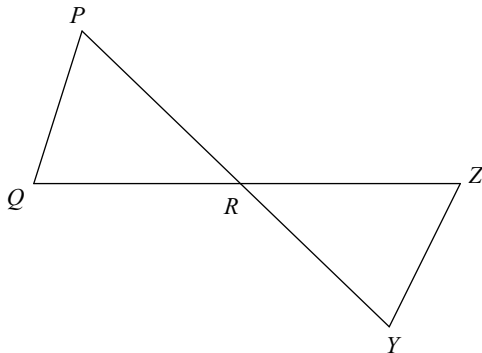
$\angle B \cong ?$

32) $\triangle TSR \cong \triangle TSG$



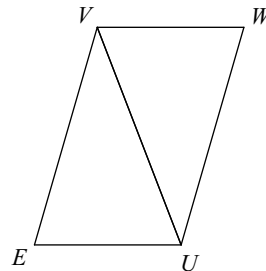
$\overline{SR} \cong ?$

33) $\triangle RQP \cong \triangle RYZ$



$\overline{QP} \cong ?$

34) $\triangle UVW \cong \triangle VUE$



$\overline{VW} \cong ?$

Answers to Triangle Congruence

- | | | | |
|---|---|---|---|
| 1) HL | 3) SAS | 5) HL | 7) Not congruent |
| 9) SSS | 11) HL | 13) SSS | 15) ASA |
| 17) AAS | 19) Not congruent | 21) $\triangle GHI \cong \triangle RIP$ | 23) $\triangle LMN \cong \triangle LQP$ |
| 25) $\triangle JIH \cong \triangle HXY$ | 27) $\triangle HIJ \cong \triangle RSJ$ | 29) $\angle W$ | 31) $\angle R$ |
| 33) \overline{YZ} | | | |