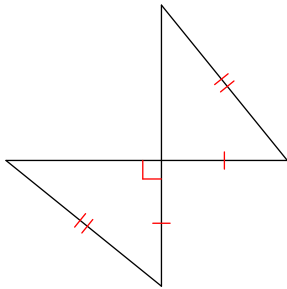


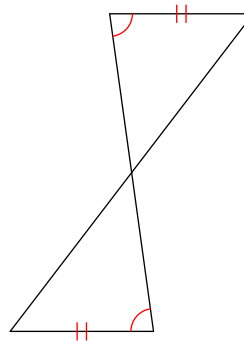
Unit 8.5 Use Congruent Triangles EXAMPLE

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

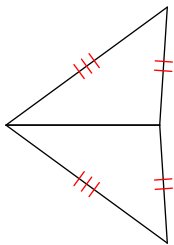
1)



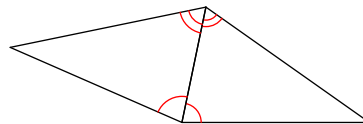
2)



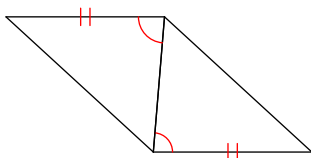
3)



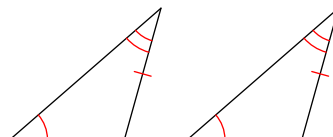
4)



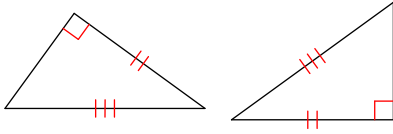
5)



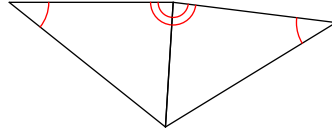
6)



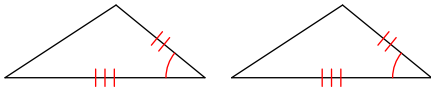
7)



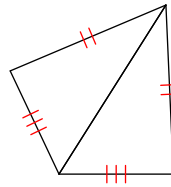
8)



9)

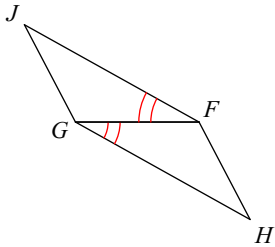


10)

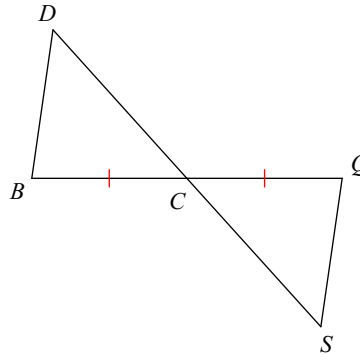


State what additional information is required in order to know that the triangles are congruent for the reason given.

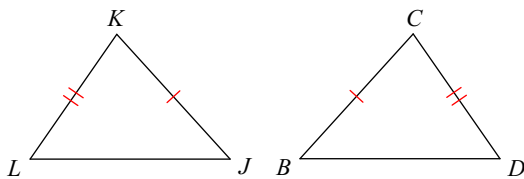
11) SAS



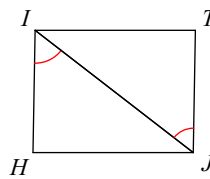
12) AAS



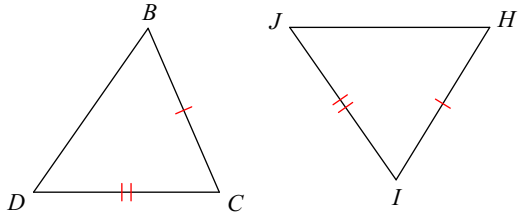
13) SSS



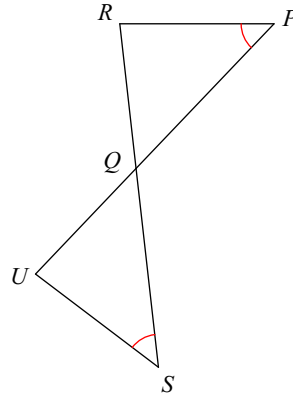
14) AAS



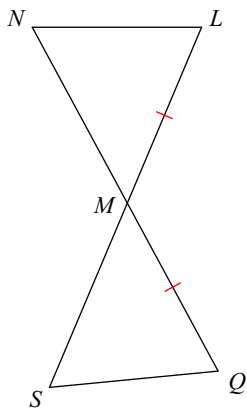
15) SSS



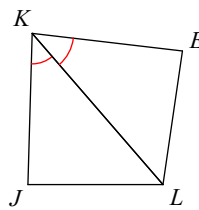
16) ASA



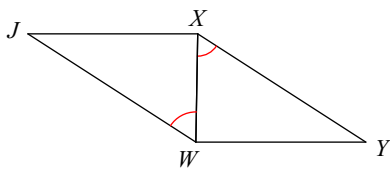
17) ASA



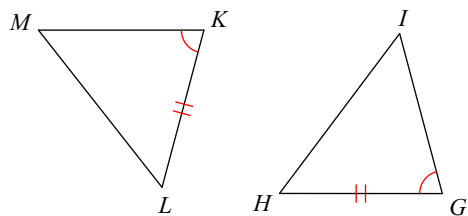
18) SAS



19) ASA



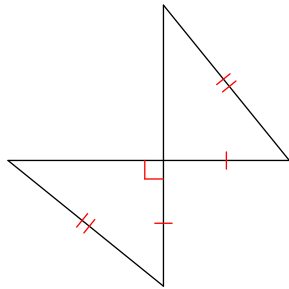
20) ASA



Unit 8.5 Use Congruent Triangles EXAMPLE

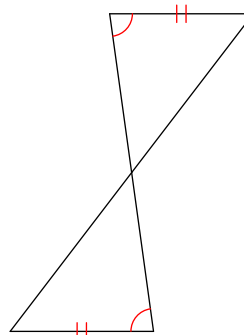
Determine if the two triangles are congruent. If they are, state how you know.

1)



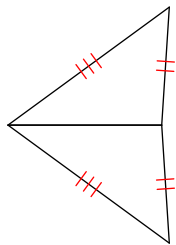
HL

2)



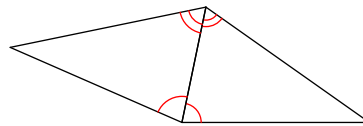
AAS

3)



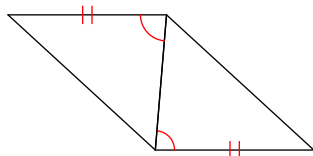
SSS

4)



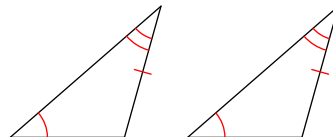
ASA

5)



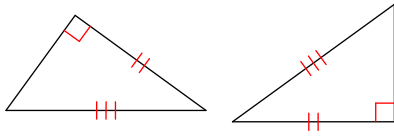
SAS

6)



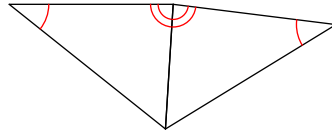
AAS

7)



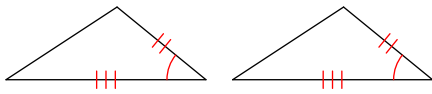
HL

8)



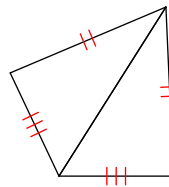
AAS

9)



SAS

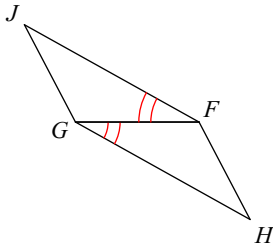
10)



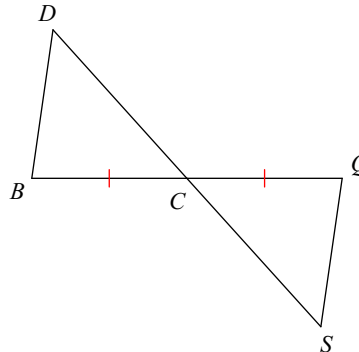
SSS

State what additional information is required in order to know that the triangles are congruent for the reason given.

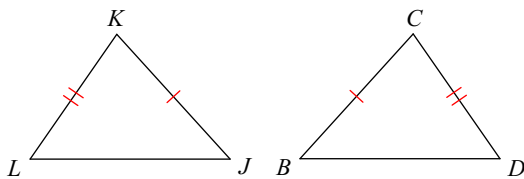
11) SAS

 $\overline{HG} \cong \overline{JF}$

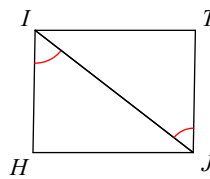
12) AAS

 $\angle D \cong \angle S$

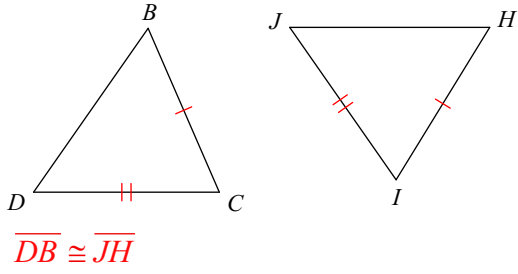
13) SSS

 $\overline{LJ} \cong \overline{DB}$

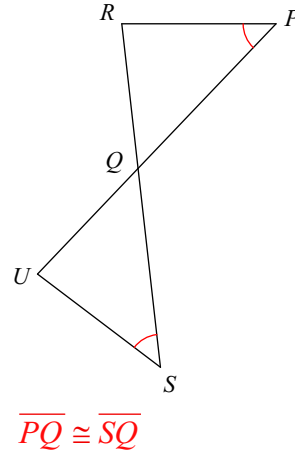
14) AAS

 $\angle H \cong \angle T$

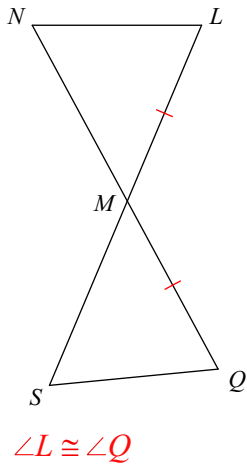
15) SSS



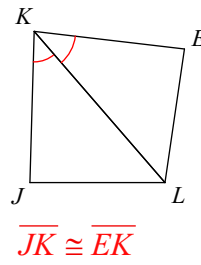
16) ASA



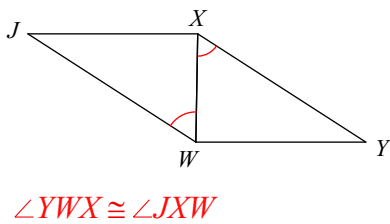
17) ASA



18) SAS



19) ASA



20) ASA

