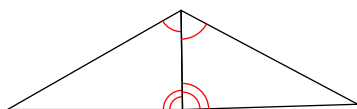


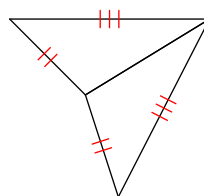
Assignment #34

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

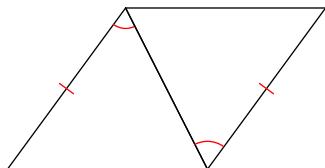
1)



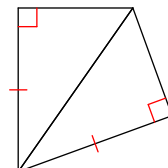
2)



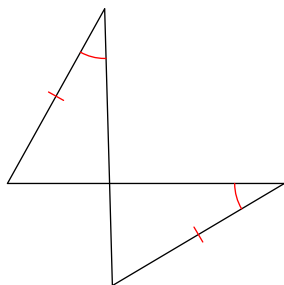
3)



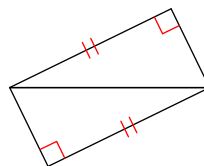
4)



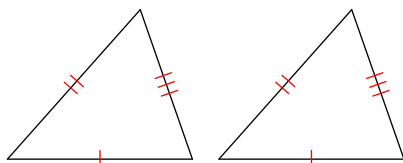
5)



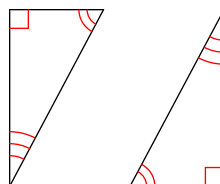
6)



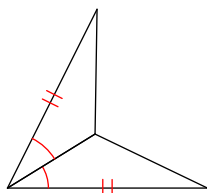
7)



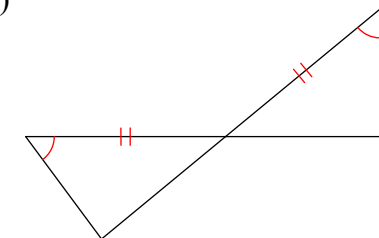
8)



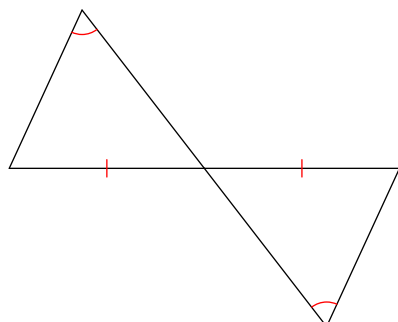
9)



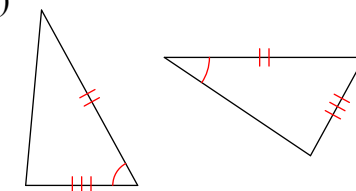
10)



11)

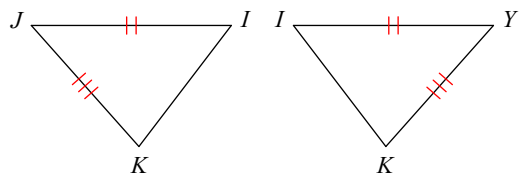


12)

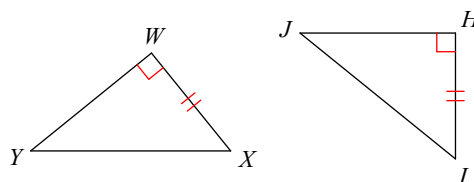


State what additional information is required in order to know that the triangles are congruent for the reason given.

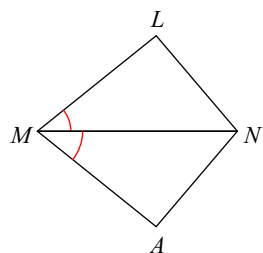
13) SSS



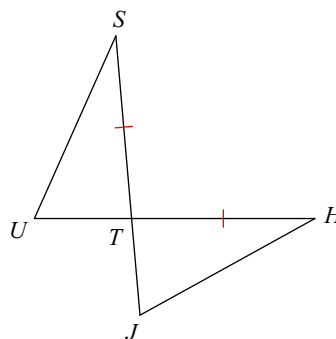
14) HL



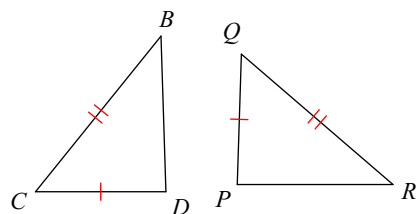
15) ASA



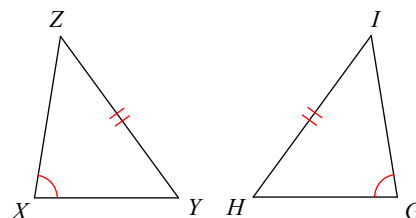
16) SAS



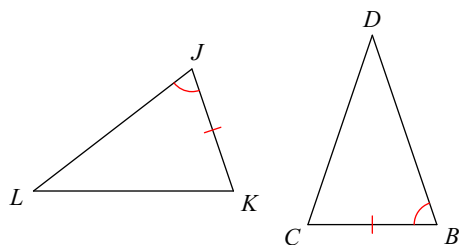
17) SSS



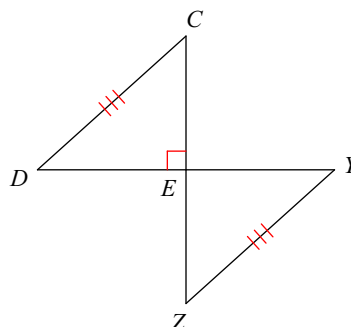
18) AAS



19) ASA



20) HL



Answers to Assignment #34

- | | | | |
|--|--|-----------------------------------|---|
| 1) ASA | 2) SSS | 3) SAS | 4) HL |
| 5) AAS | 6) HL | 7) SSS | 8) Not congruent |
| 9) SAS | 10) ASA | 11) AAS | 12) Not congruent |
| 13) $\overline{KI} \cong \overline{KI}$ | 14) $\overline{XY} \cong \overline{IJ}$ | 15) $\angle LNM \cong \angle ANM$ | 16) $\overline{TU} \cong \overline{TJ}$ |
| 17) $\overline{BD} \cong \overline{RP}$ | 18) $\angle Y \cong \angle H$ or $\angle Z \cong \angle I$ | 19) $\angle K \cong \angle C$ | |
| 20) $\overline{ED} \cong \overline{EY}$ or $\overline{CE} \cong \overline{ZE}$ | | | |