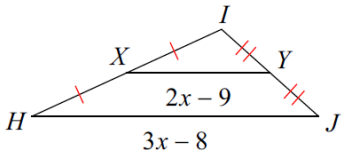
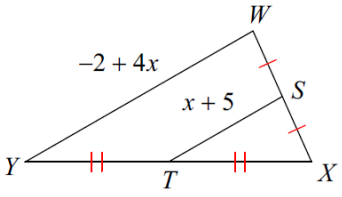
Unit 4 Quiz Review

Solve for *x*.

1)

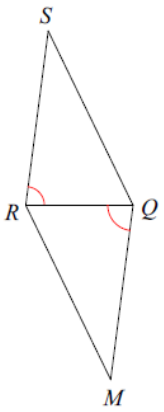


2)

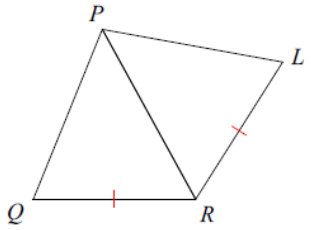


State what additional information is required in order to know that the triangles are congruent for the reason given.

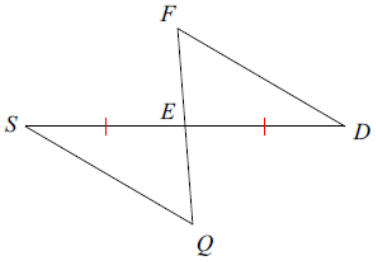
3) ASA



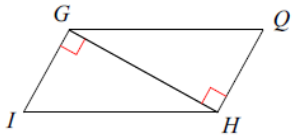
4) SSS



5) SAS

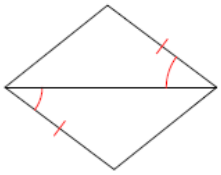


6) HL

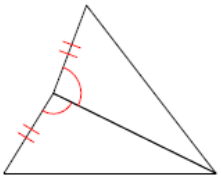


State if the two triangles are congruent. If they are, state how you know.

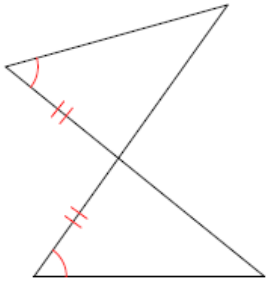
7)



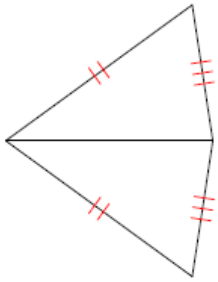
8)



9)

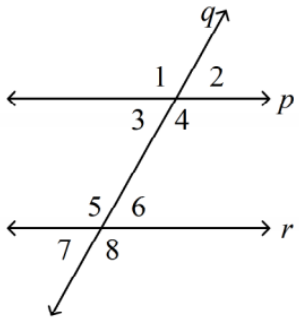


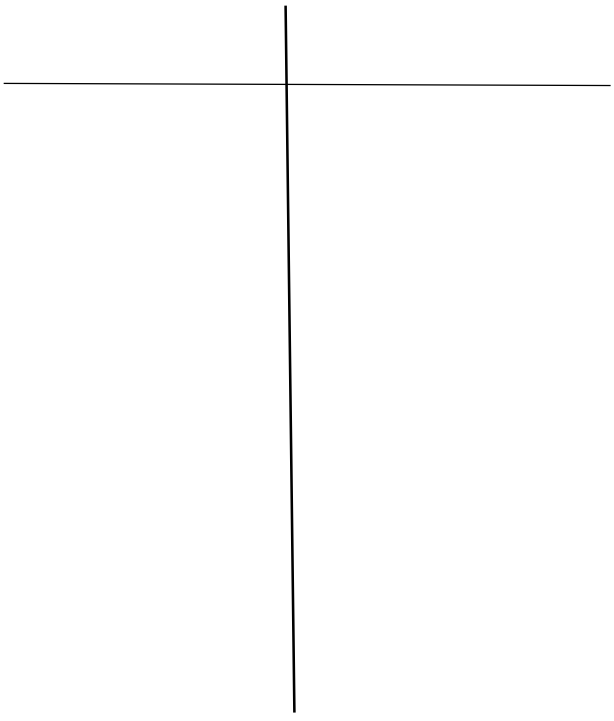
10)



11. Write a two-column proof.

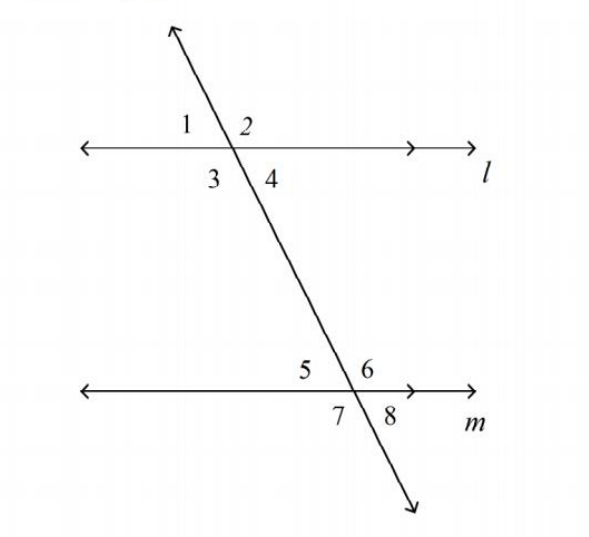
Given: $\angle 1 \cong \angle 5$
Prove: $p \parallel r$





12. Write a two-column proof.

Given: $\angle 2$ and $\angle 5$ are supplementary.
Prove: $l \parallel m$



13. Write a two-column proof.

Given: $\overline{AB} \parallel \overline{DE}$

Prove: ΔABC ~ ΔEDC