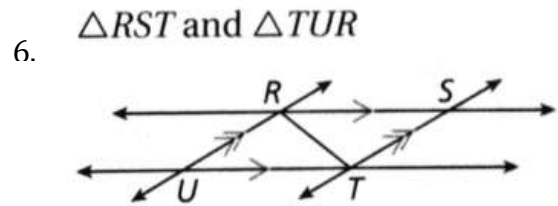
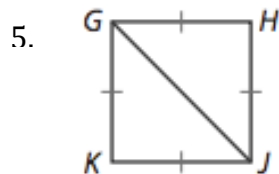
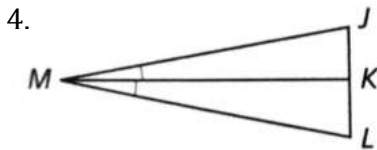
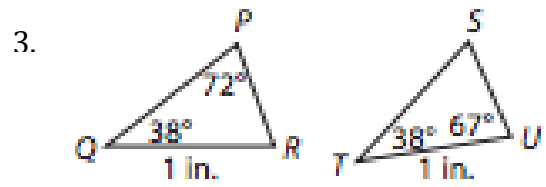
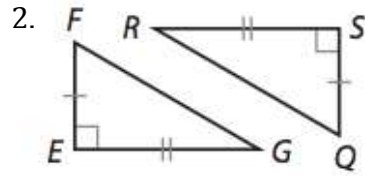
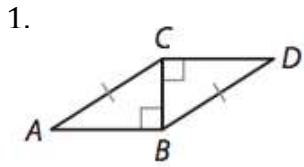
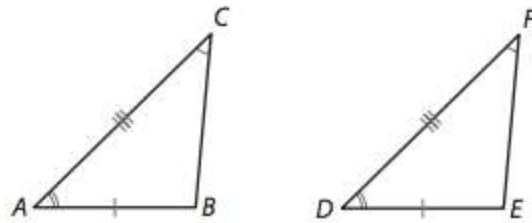


Are the two triangles congruent? Explain how you know.



7. Which of the following are reasons that justify why the triangles are congruent? Select all that apply.

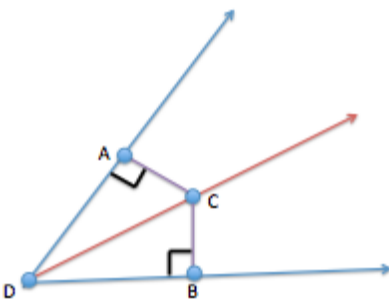
- A. SSA Triangle Congruence Theorem
- B. SAS Triangle Congruence Theorem
- C. ASA Triangle Congruence Theorem



8. What does CPCTC stand for? What do we use it for in proofs?

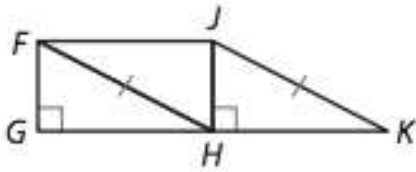
9. Given: \overline{DC} bisects $\angle ADB$
 Prove: $\overline{AC} \cong \overline{BC}$

Write a paragraph proof.

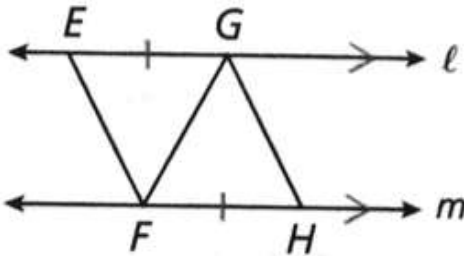


Write a two column proof.

10. Given: $\angle FGH$ and $\angle JHK$ are right angles.
 H is the midpoint of \overline{GK} . $\overline{FH} \cong \overline{JK}$
 Prove: $\triangle FGH \cong \triangle JHK$

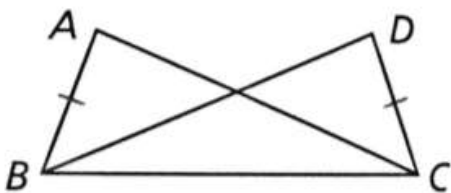


11. Given: $\ell \parallel m$, $\overline{EG} \cong \overline{HF}$
 Prove: $\triangle EGF \cong \triangle HFG$



Write a flow chart proof.

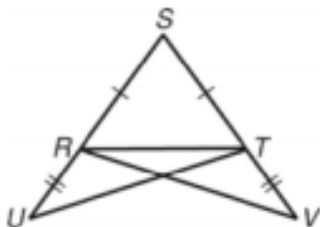
12. Given: $\overline{AB} \cong \overline{DC}$, $\angle ABC \cong \angle DCB$
 Prove: $\angle A \cong \angle D$



Write a two column proof.

Challenge!

- Given: $\overline{RU} \cong \overline{TV}$, $\overline{RS} \cong \overline{TS}$



- Prove: $\overline{RV} \cong \overline{TU}$

Write a paragraph proof.