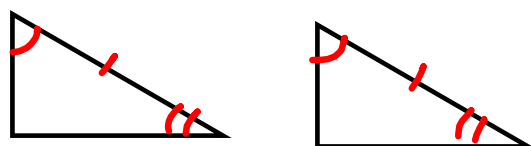


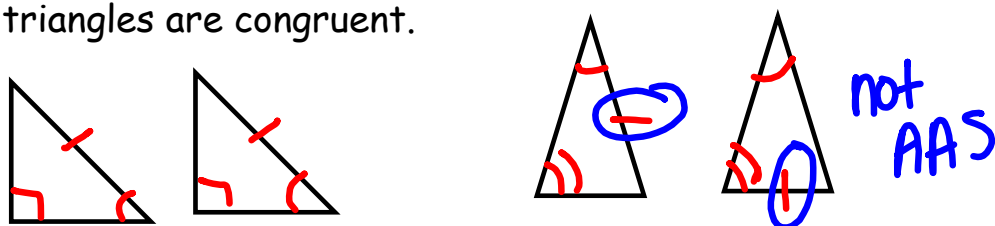
5.3 Proving Triangles are Congruent: ASA and AAS

Objective: Show triangles are congruent using ASA and AAS.

Angle-Side-Angle Congruence Postulate (ASA): If two angles and the included side of one triangle are congruent to two angles and the included side of a second triangle, then the two triangles are congruent.

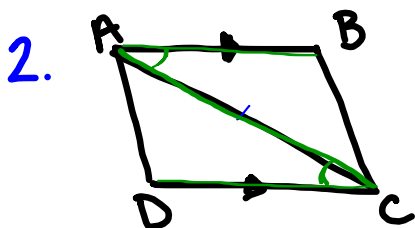


Angle-Angle-Side Congruence Theorem (AAS): If two angles and a non-included side of one triangle are congruent to two angles and the corresponding non-included side of a second triangle, then the two triangles are congruent.

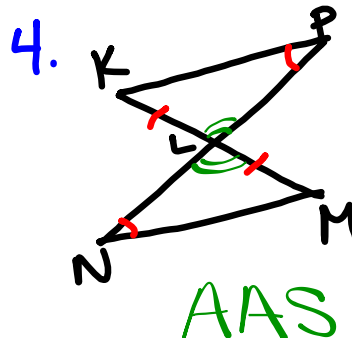
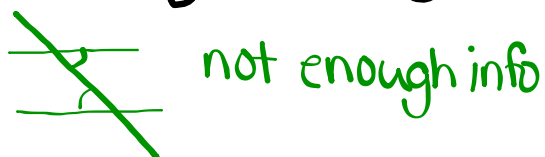


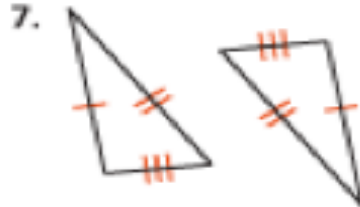
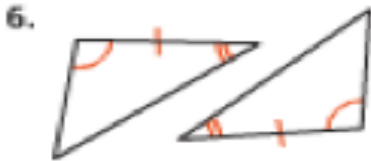
Checkpoint at the top of page 253.

1. included



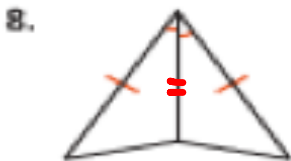
3. not enough info





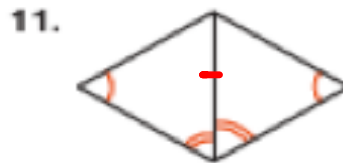
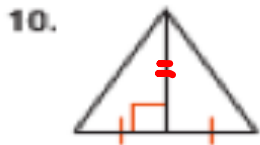
6. ASA

7. SSS



8. SAS

9. AAS



10. SAS

11. AAS