

4.	SAS	

- 5. SSS
- 6. cannot be determined
- 7. SSS
- 8. SAS
- 9. SSS (and the Converse of the Isosceles Triangle Conjecture)
- **10.** yes, $\triangle ABC \cong \triangle ADE$ by SAS

12. FLE by SSS

Yes $\angle N \cong \angle L$. If triangles are congruent,	
then corresponding angles are congruent.	
13. Cannot be determined. SSA is not a	
congruence conjecture.	
14. AIN by SSS or SAS	
Yes $\angle G \cong \angle A$. If triangles are congruent,	
then corresponding angles are congruent	
15. Cannot be determined. Parts do not	
correspond.	
16. SAO by SAS	
Yes $\overline{AO} \cong \overline{AT}$. If triangles are congruent,	
then corresponding parts are congruent.	
17. Cannot be determined. Parts do not	

correspond.

4.5 - Are there other congruence shortcuts?

Angle-Side-Angle (ASA) Side-Angle-Angle (SAA) ? ? \simeq Two pairs of congruent angles and one pair of congruent sides (sides not between the pairs of Two pairs of congruent angles and one pair of congruent sides (sides between the pairs of angles) angles) Angle-Angle-Angle (AAA) ? \simeq Three pairs of congruent angles











