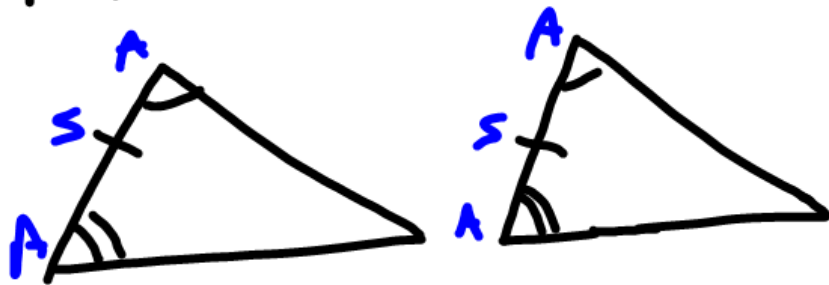


4.5 Prove Δ s Congruent by ASA & AAS

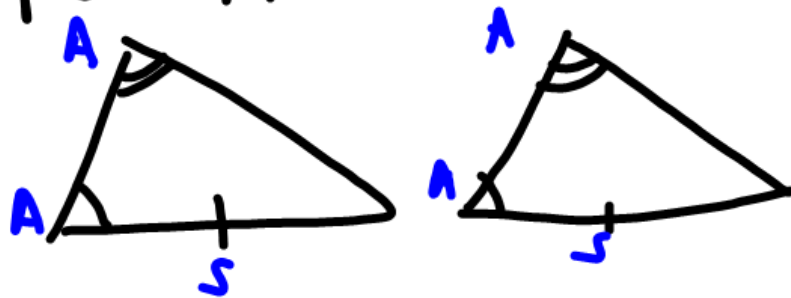
* Angle-Side-Angle, Angle-Angle-Side

For ASA



* If 2 angles & side ^(included) between, the Δ s are congruent.

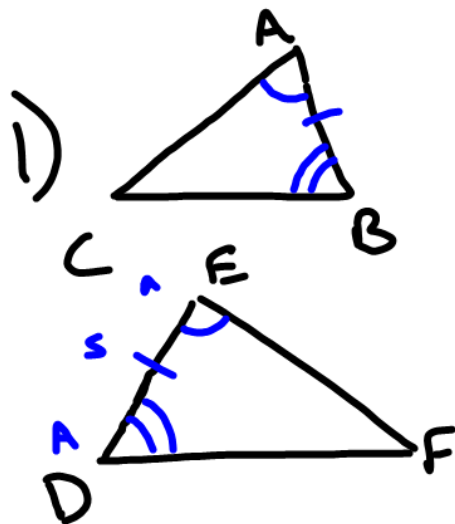
For AAS



* If 2 angles & side not between are congruent, (non-included) the Δ s are congruent.

Example

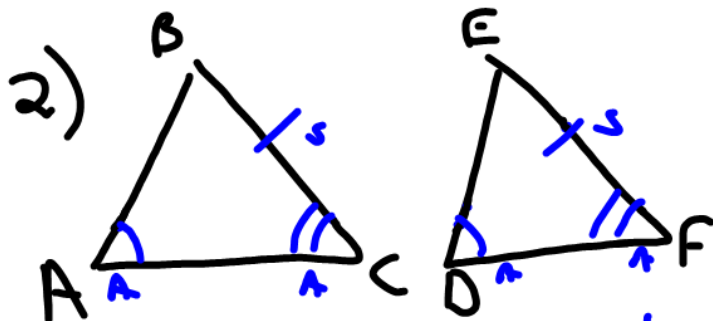
Name the Congruence Reason



Given: $\angle CAB \cong \angle DEF$, $\angle ABC \cong \angle EDF$,
 $\overline{AB} \cong \overline{ED}$

U
 ES! ASA

$\triangle ABC \cong \triangle EDF$



Given: $\angle BCA \cong \angle EFD$,
 $\angle CAB \cong \angle EDF$, $\overline{BC} \cong \overline{EF}$

AAS!

$\triangle ABC \cong \triangle DEF$