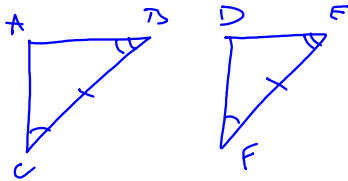


4.4 Proving Triangles Congruent
Using ASA, AAS

So far
SSS ps } sides are
SAS ps } important
 } order important

ASA triangle congruence ps

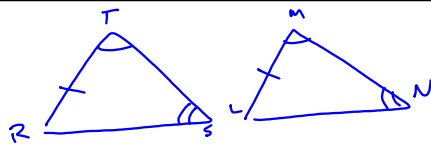
IF two angles and the included side are congruent to two angles and the included side of another triangle
Then the triangles are congruent



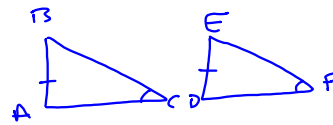
if $\angle C \cong \angle F$ A
 $\overline{CB} \cong \overline{FE}$ S
 $\angle B \cong \angle E$ A then $\triangle ABC \cong \triangle DEF$

AAS congruence Theorem

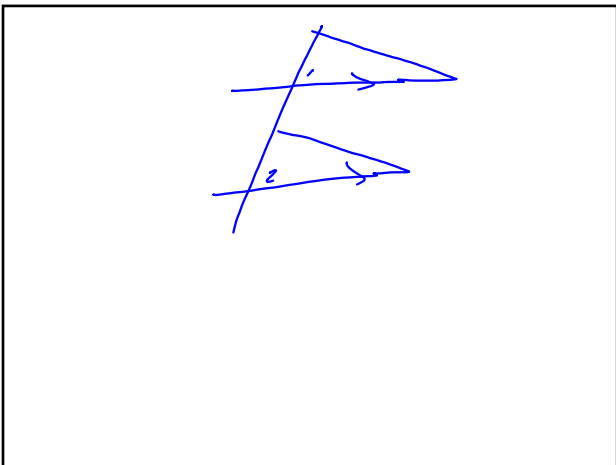
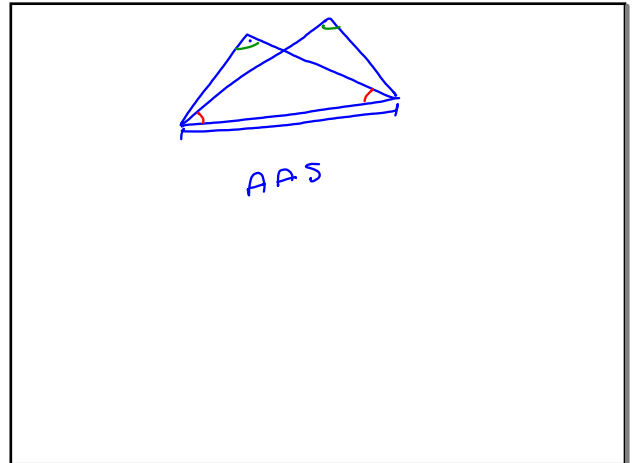
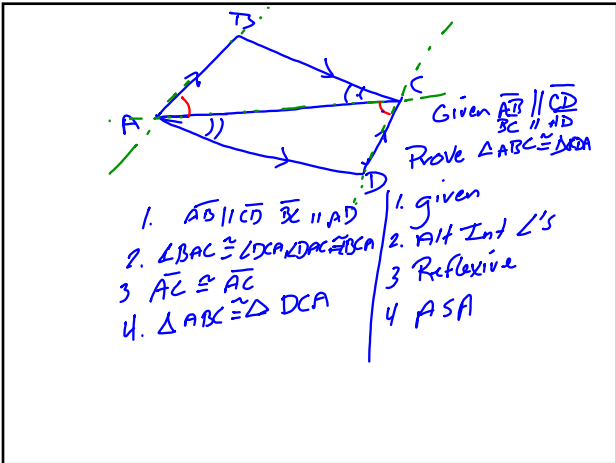
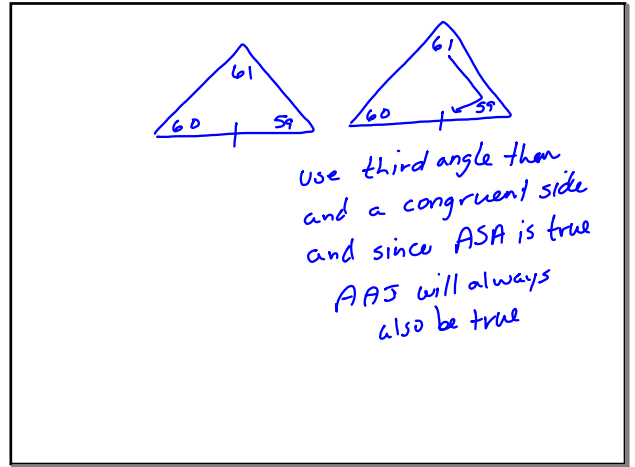
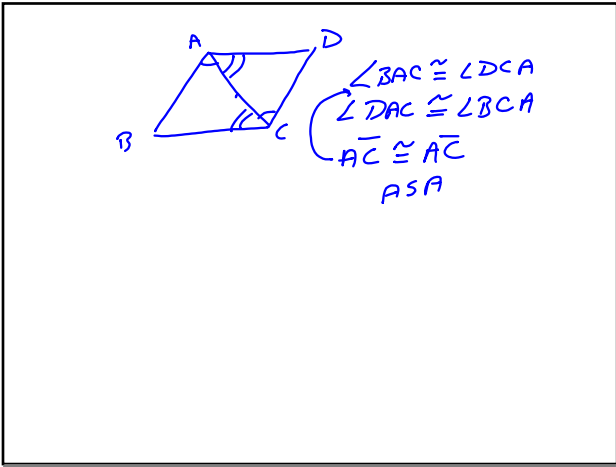
IF Two angles and a non included side are congruent to two angles and a non included side of another Δ
Then the triangles are congruent



if $\angle T \cong \angle M$ A
 $\angle R \cong \angle N$ A
 $\overline{RT} \cong \overline{MN}$ S then $\triangle ART \cong \triangle LMN$



$\angle A \cong \angle D$ AAS
 $\angle B \cong \angle E$



P 223 - 224
Z - 22 all