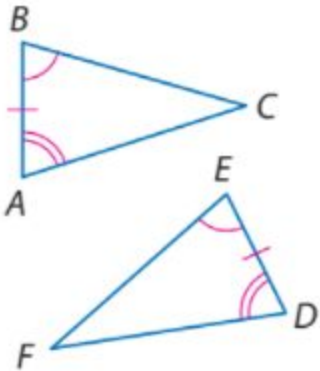
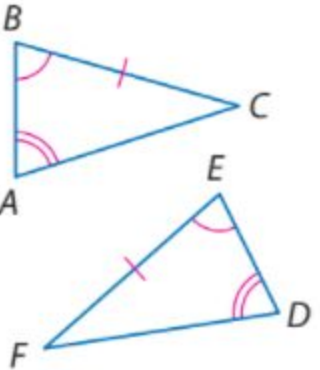
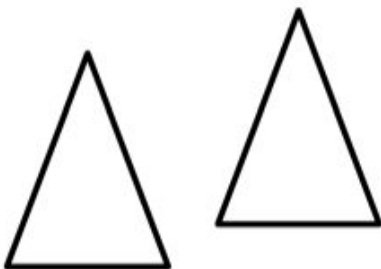


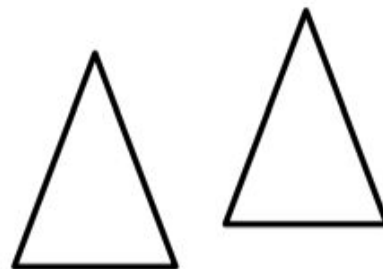
Geometry CC
4.5 Proving Triangles Congruent
(AAS, ASA)

<p>Angle-Side-Angle Congruence (ASA)</p>	<p>If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, then the triangles are congruent.</p>	
<p>Angle-Angle-Side Congruence (AAS)</p>	<p>If two angles and the nonincluded side of one triangle are congruent to the corresponding two angles and side of a second triangle, then the triangles are congruent.</p>	

ASA

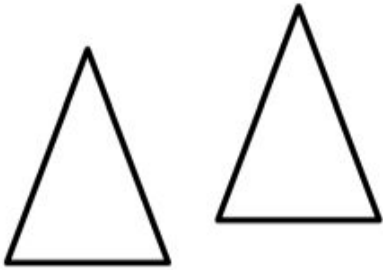


NOT ASA

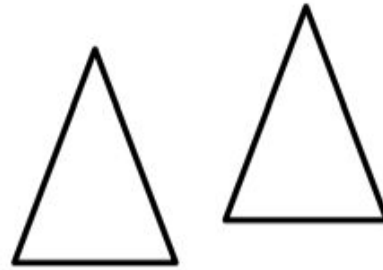


Geometry CC
 4.5 Proving Triangles Congruent
 (AAS, ASA)

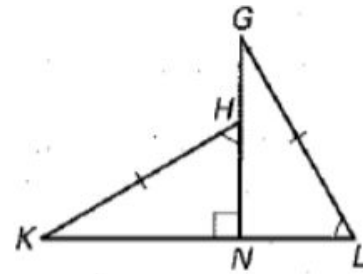
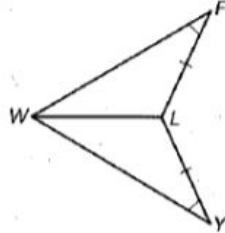
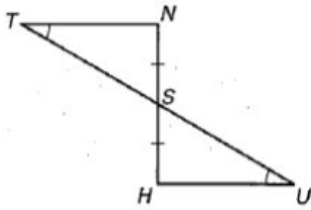
AAS



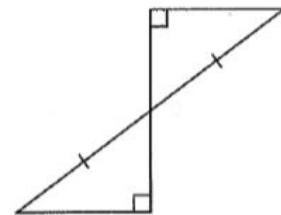
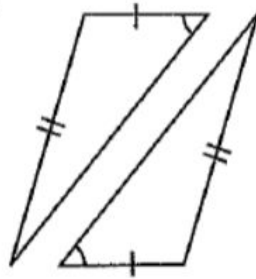
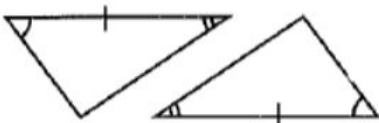
NOT AAS



1. Is it possible to prove the triangles are congruent? If so, state the postulate of theorem you would use?

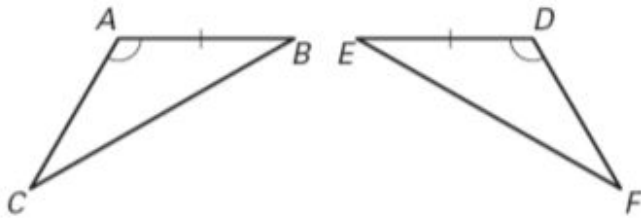


2. Identify which property will prove the triangles below congruent.

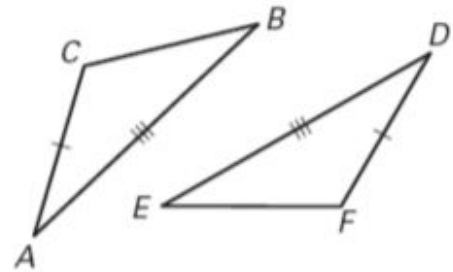


3. State the third corresponding part that will make the triangles below congruent using the congruence postulate given.

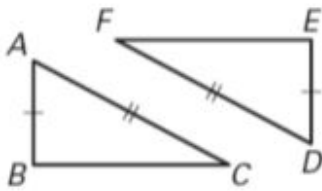
AAS Congruence Theorem



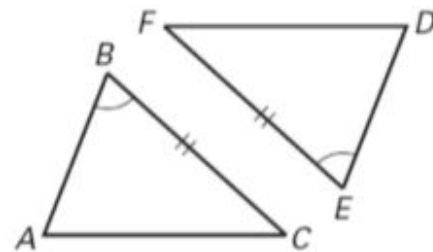
SSS Congruence Postulate



SAS Congruence Postulate

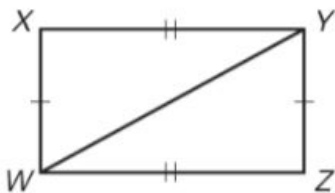


ASA Congruence Postulate

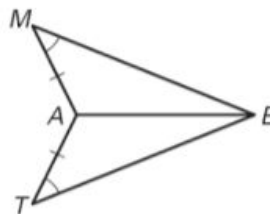


4. Decide whether there is enough information given to state the triangles congruent:

$\triangle XYW, \triangle ZWY$



$\triangle MAE, \triangle TAE$



$\triangle DKA, \triangle TKS$

