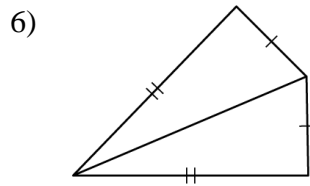
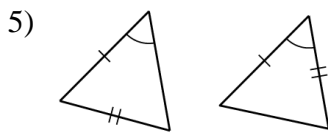
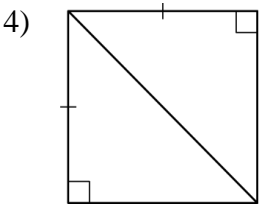
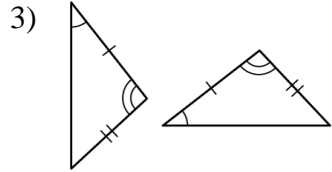
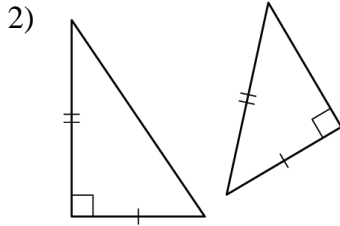
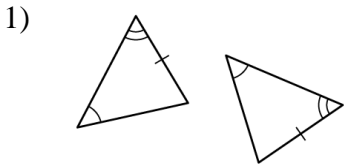


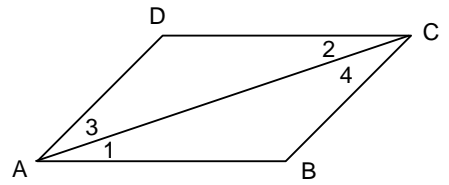
4.4 – Triangle Congruence Using ASA, AAS & HL

Decide whether enough information is given to prove that the triangles are congruent using either SSS, HL, ASA, or AAS. If there is not enough information to prove the triangles congruent, write *not enough information*.



7) Use the information to complete the following flow chart proof.

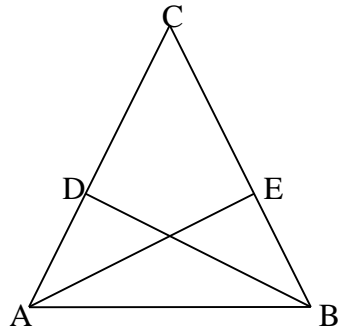
1. _____		7. _____ \cong _____
2. _____		8. _____
3. _____		
4. _____		
5. _____		
6. _____		



Given: $\angle 1 \cong \angle 2$, $\angle B \cong \angle D$
 Prove: $\triangle ADC \cong \triangle CBA$

8) Use the information to complete the following flow chart proof.

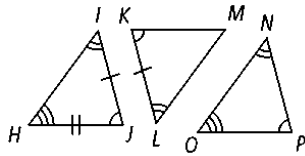
1. _____		7. _____ \cong _____
2. _____		8. _____
3. _____		
4. _____		
5. _____		
6. _____		



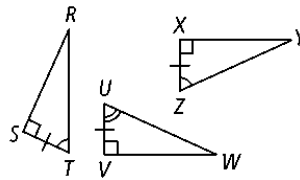
Given: $\overline{AC} \cong \overline{BC}$, $\angle CAE \cong \angle CBD$
 Prove: $\triangle CAE \cong \triangle CBD$

Name two triangles that are congruent by ASA

9)

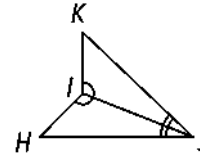


10)



11) Given: $\angle HIJ \cong \angle KIJ$
 $\angle IJH \cong \angle IJK$

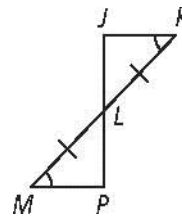
Prove: $\triangle HIJ \cong \triangle KIJ$



Statement	Reasons

12) Given: $\angle K \cong \angle M$
 $\overline{KL} \cong \overline{ML}$

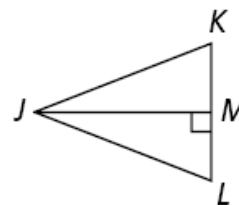
Prove: $\triangle JKL \cong \triangle PML$



Statement	Reasons

13) Given: \overline{JM} bisects $\angle J$
 $\overline{JM} \perp \overline{KL}$

Prove: $\triangle JMK \cong \triangle JML$



Statement	Reasons
\overline{JM} bisects $\angle J$	
$\overline{KM} \cong \overline{ML}$	Definition of a Bisector
$\overline{JM} \perp \overline{KL}$	
$\angle JML$ & $\angle JMK$ are right angles	
$\angle JML \cong \angle JMK$	All right angles are congruent to each other.
$\overline{JM} \cong \overline{JM}$	
$\triangle JMK \cong \triangle JML$	

