

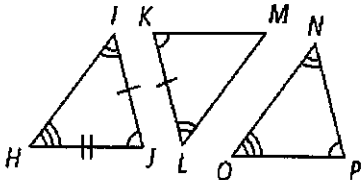
Name: Key
 Geometry

Date: _____
 Band: _____

LT#3: Prove triangles two triangles congruent using the ASA Postulate and the AAS Theorem.

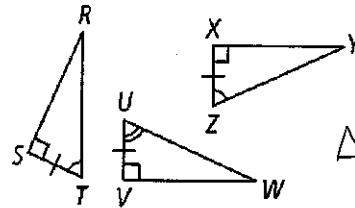
Name two triangles that are congruent by ASA.

1.



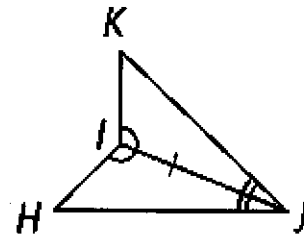
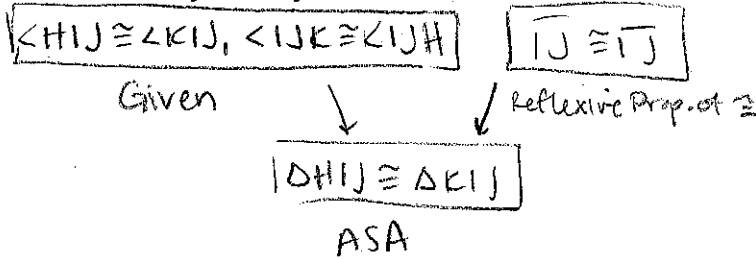
$\triangle IJK \cong \triangle LKM$

2.

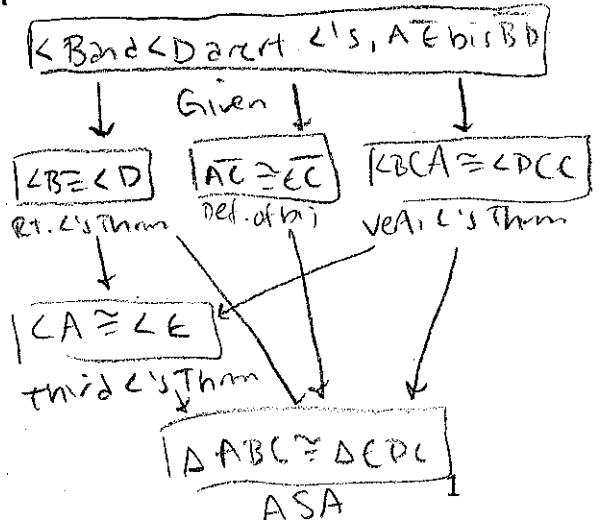
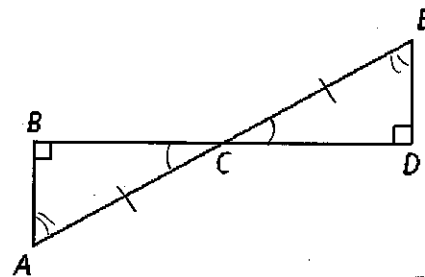
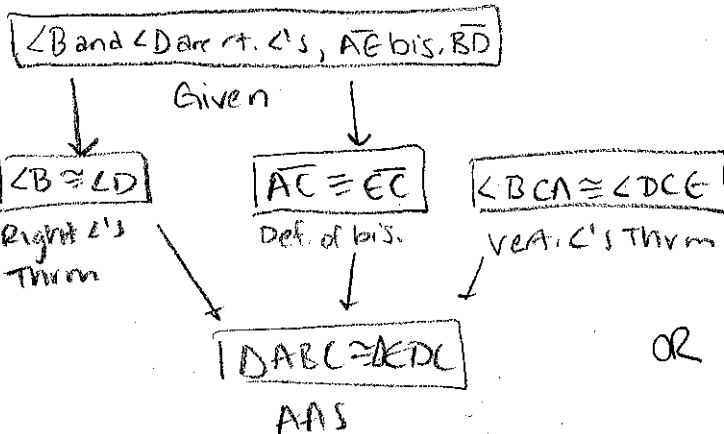


$\triangle TSR \cong \triangle ZXY$

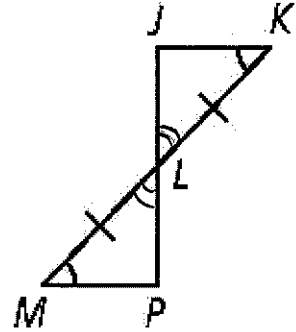
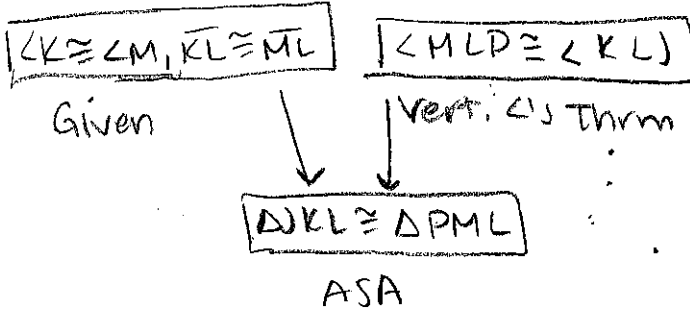
3. Given: $\angle HIJ \cong \angle KIJ, \angle IJK \cong \angle IJH$
 Prove: $\triangle HIJ \cong \triangle KIJ$



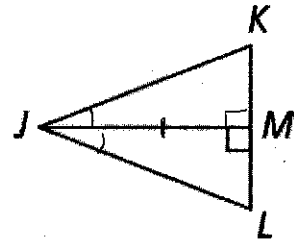
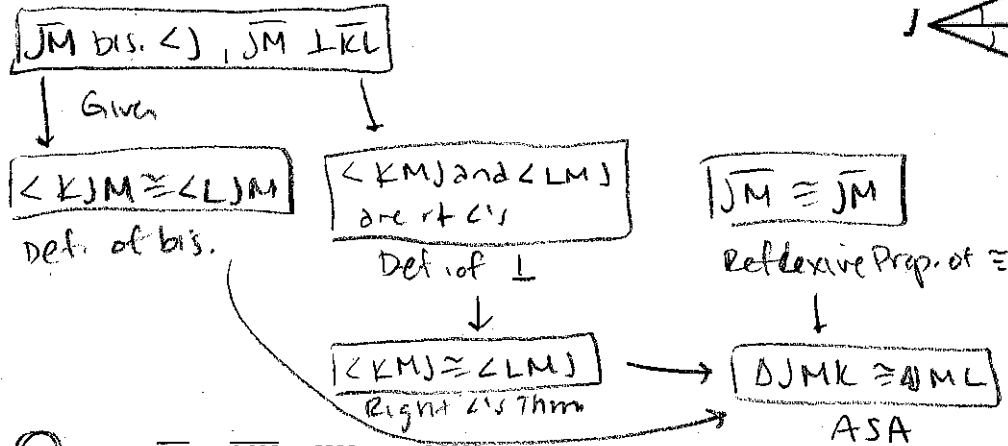
4. Given: $\angle B$ and $\angle D$ are right angles. \overline{AE} bisects \overline{BD} .
 Prove: $\triangle ABC \cong \triangle EDC$



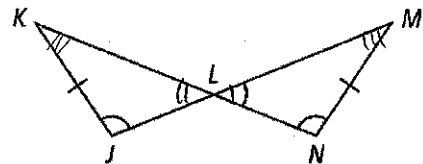
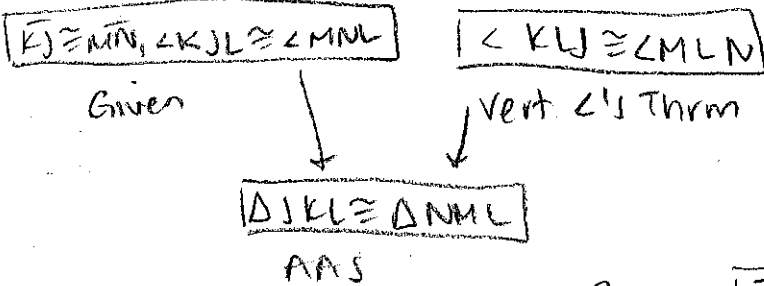
5. Given: $\angle K \cong \angle M, \overline{KL} \cong \overline{ML}$
 Prove: $\triangle JKL \cong \triangle PML$



6. Given: \overline{JM} bisects $\angle J, \overline{JM} \perp \overline{KL}$
 Prove: $\triangle JMK \cong \triangle JML$



7. Given: $\overline{KJ} \cong \overline{MN}, \angle KJL \cong \angle MNL$
 Prove: $\triangle JKL \cong \triangle NML$



OR

