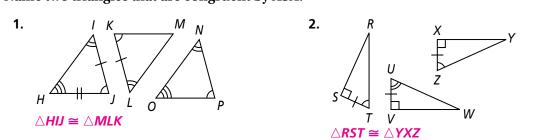
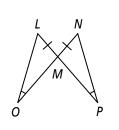
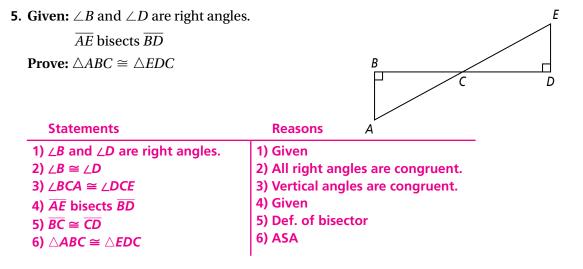
Name	Class	Date
Practice		Form G
Triangle Congruence by ASA and AAS		
Name two triangles that are congruent by A	SA.	



- 3. Developing Proof Complete the proof by filling in the blanks.
 Given: ∠HIJ ≅ ∠KIJ ∠IJH ≅ ∠IJK
 Prove: △HIJ ≅ △KIJ
 Proof: ∠HIJ ≅ ∠KIJ and ∠IJH ≅ ∠IJK are given.
 IJ ≅ IJ by ?. Refl. Prop. of Congruence
 So, △HIJ ≅ △KIJ by ?. ASA
- 4. Given: $\angle LOM \cong \angle NPM$, $\overline{LM} \cong \overline{NM}$ Prove: $\triangle LOM \cong \triangle NPM$ Proof: $\angle LOM \cong \angle NPM$ and $\overline{LM} \cong \overline{NM}$ are given. $\angle LMO \cong \angle NMP$ because vert. \triangle are \cong . So, $\triangle LOM \cong \triangle NPM$ by AAS.





Name	

Class ____

G

Α

R

Form G

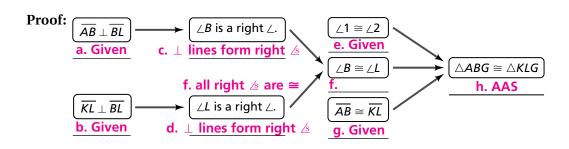
Κ

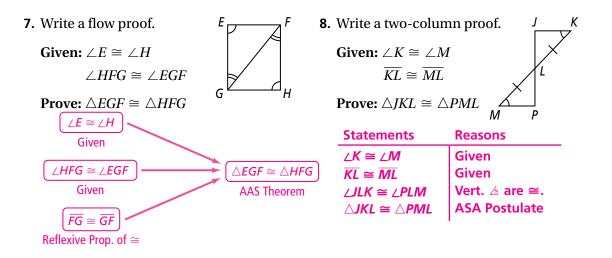
Practice (continued)

Triangle Congruence by ASA and AAS

6. Developing Proof Complete the proof.

Given: $\angle 1 \cong \angle 2$, $\overline{AB} \perp \overline{BL}$, $\overline{KL} \perp \overline{BL}$, $\overline{AB} \cong \overline{KL}$ **Prove:** $\triangle ABG \cong \triangle KLG$





For Exercises 9 and 10, write a paragraph proof.

