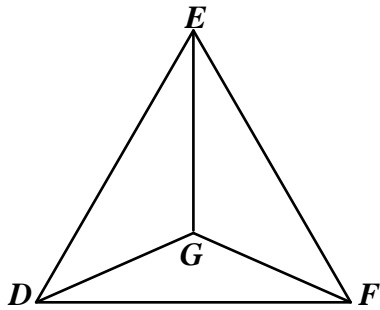


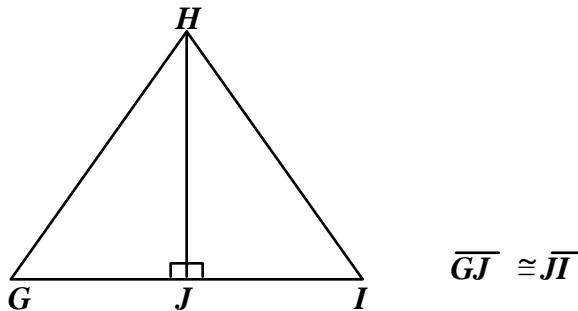
*P.I. G.G.28: Determine the congruence of two triangles by using one of the five congruence techniques (SSS, SAS, ASA, AAS, HL), given sufficient information about the sides and/or angles of two congruent triangles*

1. Refer to the figure below. Give a congruence statement for two triangles in the figure and name the theorem or postulate that proves the congruence.

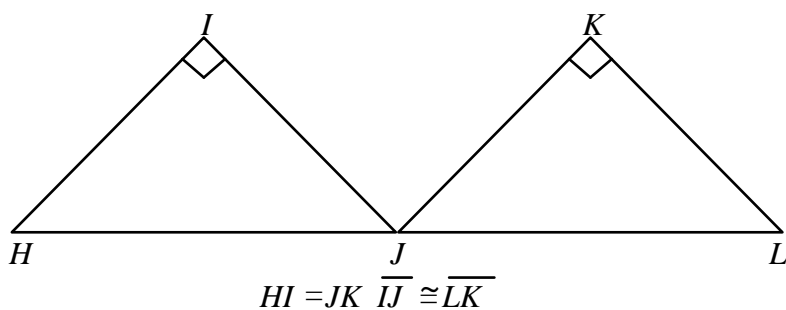


$\triangle DEF$  is equilateral.  $DG \cong GF$

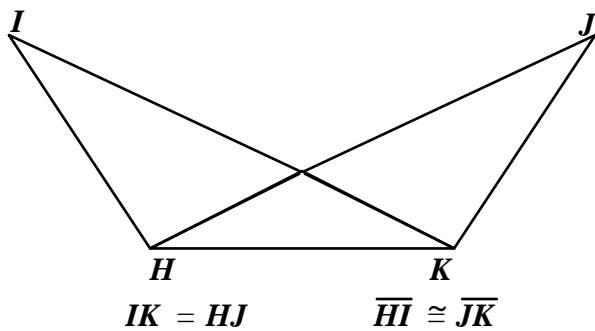
2. Refer to the figure below. Give a congruence statement for two triangles in the figure and name the theorem or postulate that proves the congruence.



3. Refer to the figure shown. Give a congruence statement for two triangles in the picture and name the theorem or postulate that proves the congruence.



4. Refer to the figure below. Give a congruence statement for two triangles in the figure and name the theorem or postulate that proves the congruence.



[1]  $\triangle DGE \cong \triangle FGE$  by SSS

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[2]  $\triangle GHJ \cong \triangle IHJ$  by SAS

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[3]  $\triangle HIJ \cong \triangle JKL$  by SAS

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[4]  $\triangle HJK \cong \triangle KIH$  by SSS

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