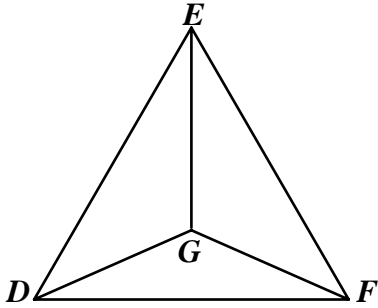


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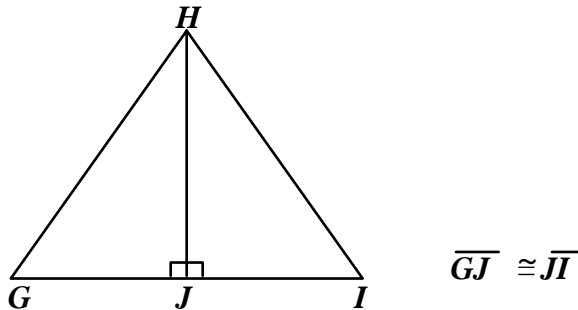
P.I. G.G.28: Determine the congruence of two triangles by using one of the five congruence techniques (SSS, SAS, ASA, AAS, HL), given sufficient information about the sides and/or angles of two congruent triangles

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.



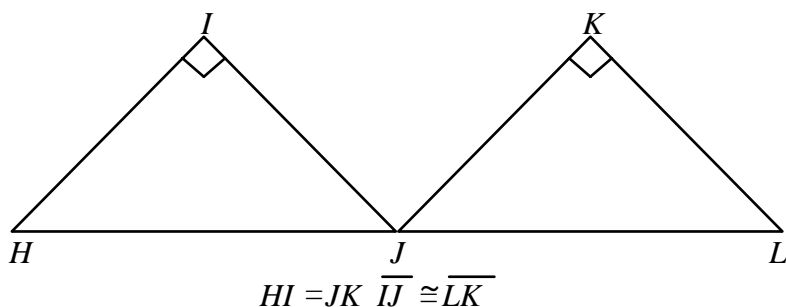
$\triangle DEF$ is equilateral. $DG \cong GF$

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.

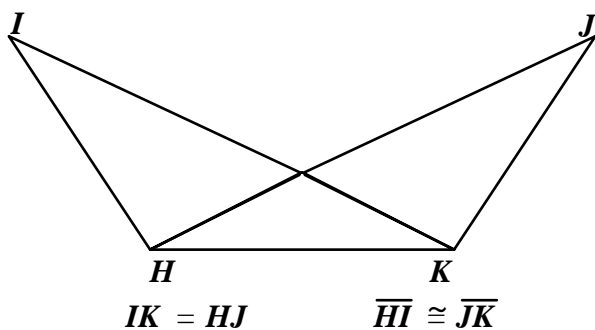


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3. Refer to the figure shown. Give a congruence statement for two triangles in the picture and name the theorem or postulate that proves the congruence.



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

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

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

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