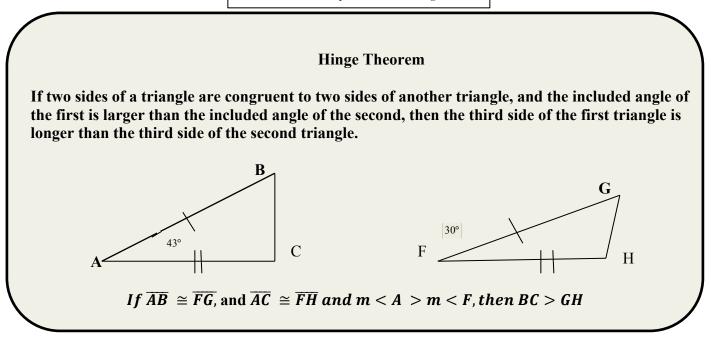
Date

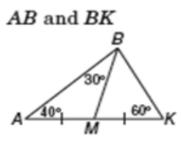
G.T.6 Inequalities in two triangles.

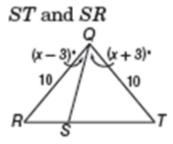


Example 1: Compare the given measures.

Example 2:

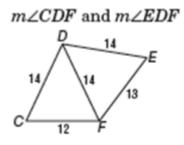
Compare the given measures.



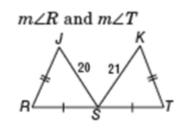


The Converse of the Hinge Theorem

Example 3: Compare the given measures.



Example 4: Compare the given measures.



In the figure, \overline{BA} , \overline{BD} , \overline{BC} , and \overline{BE} are congruent and AC < DE. How does $m \angle 1$ compare with $m \angle 3$? Explain your thinking.

