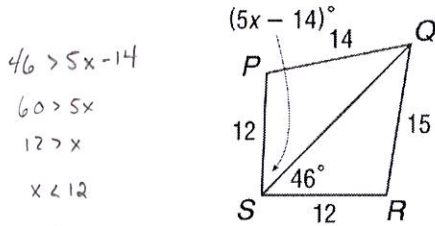


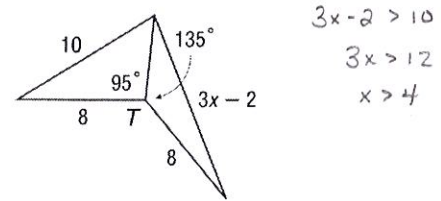
For #1 – 8, determine which theorem can be applied to solve. Do NOT solve.

- A. The longest side is opposite the largest angle    B. SAS Inequality Theorem    C. SSS Inequality Theorem

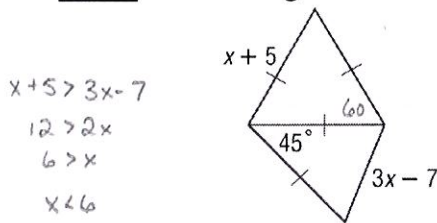
1. C Find a range for the x-values



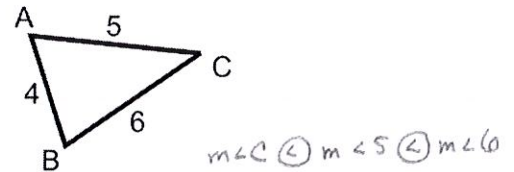
2. B Find a range for the x-values



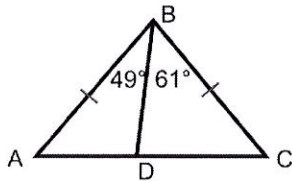
3. B Find a range for the x-values



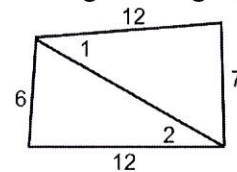
4. A List the angles from least to greatest



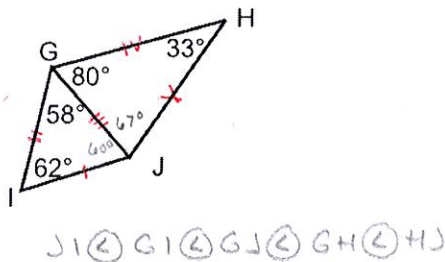
5. B Which side is longer, AD or DC?



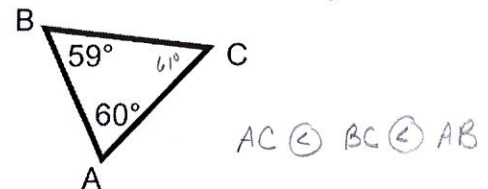
6. C Which angle is larger,  $\angle 1$  or  $\angle 2$ ?



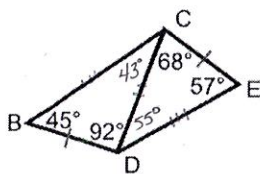
7. A List the sides from least to greatest



8. A List the sides from least to greatest



9. Apply the appropriate theorem(s) to list the sides in order from least to greatest.



BD/CE   DC   DE   BC

- SAS Ineq. says  $DE < BC$
- longest side largest  $\angle$  says  $DC < DE$