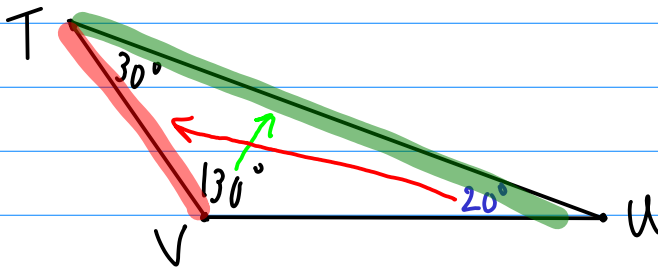


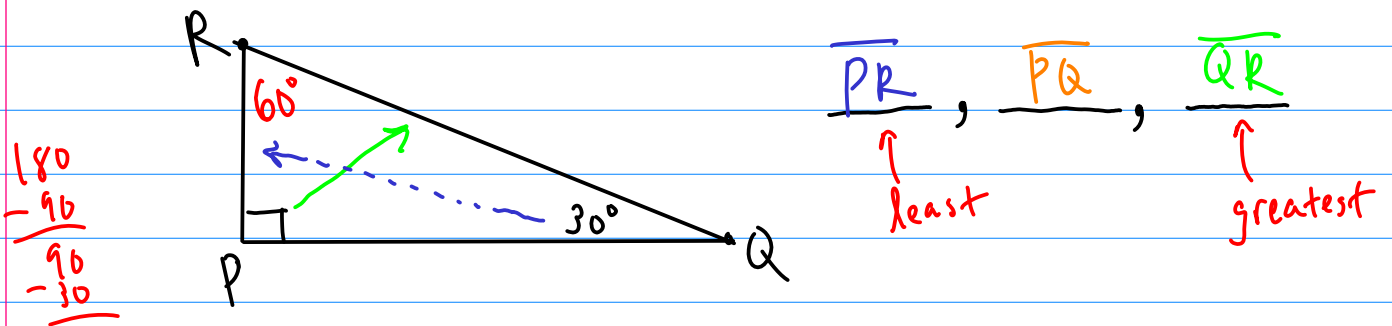
• Relating sides & \angle 's:



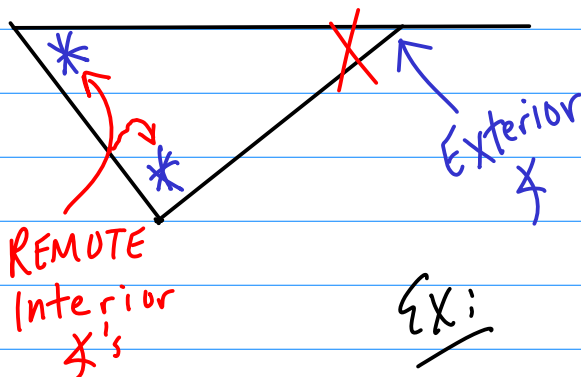
* longest side of a Δ is opposite the largest \angle . (Shortest side is opp. the smallest \angle .)

Ex:

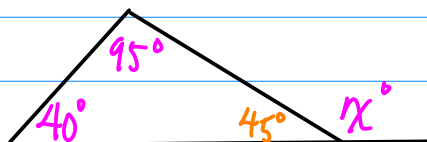
Arrange the side lengths from least to greatest:
 ΔPQR w/ $m\angle Q = 30^\circ$ & $\angle P$ is a rt. \angle .



* Δ Exterior \angle Conjecture: $\left(\begin{array}{l} \text{measure of} \\ \text{Ext. } \angle \\ \text{in } \Delta \end{array} \right) = \left(\begin{array}{l} \text{Sum of measures} \\ \text{of remote int. } \angle \text{'s} \end{array} \right)$



Ex:



$$x = 95^\circ + 40^\circ = 135^\circ$$