



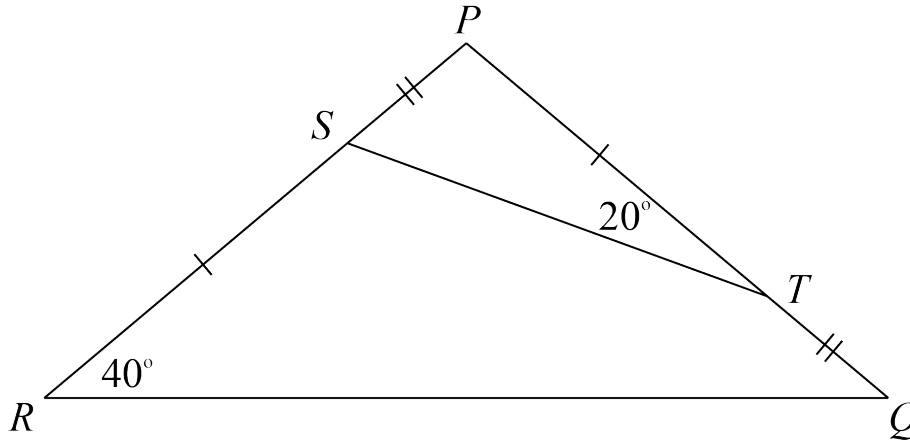
Problem of the Week

Problem C

The Missing Pieces

The following information is known about $\triangle PQR$.

- The point S is on side PR and the point T is on side PQ .
- The distance from P to S is equal to the distance from T to Q .
- The distance from S to R is equal to the distance from P to T .
- $\angle PRQ = 40^\circ$ and $\angle PTS = 20^\circ$.



Determine the value of each of the five other interior angles. That is, determine the values of $\angle RPQ$, $\angle STQ$, $\angle TQR$, $\angle RST$, and $\angle PST$.