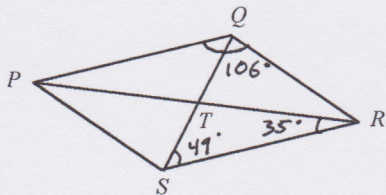


EXIT SLIP

Name: Answer Key

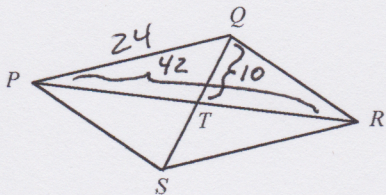
Date: _____

Given $PQ = 24$, $PS = 19$, $PR = 42$, $TQ = 10$, $m\angle PQR = 106^\circ$, $m\angle QSR = 49^\circ$, and $m\angle PRS = 35^\circ$.



$$\begin{aligned} m\angle QRS &= \underline{74^\circ} & 180^\circ - 106^\circ &= 74^\circ \\ m\angle PQS &= \underline{49^\circ} & \text{alt. int. } \angle s & \\ m\angle RPS &= \underline{39^\circ} & 74^\circ - 35^\circ &= 39^\circ \\ m\angle PSQ &= \underline{57^\circ} & 106^\circ - 49^\circ &= 57^\circ \end{aligned}$$

Given $PQ = 24$, $PS = 19$, $PR = 42$, $TQ = 10$, $m\angle PQR = 106^\circ$, $m\angle QSR = 49^\circ$, and $m\angle PRS = 35^\circ$.



$$\begin{aligned} QR &= \underline{19} \\ SR &= \underline{24} \\ PT &= \underline{21} & \frac{42}{2} &= 21 \\ SQ &= \underline{20} & 10 + 10 &= 20 \end{aligned}$$