Problem of the Week
Problem E
Good Extensions

The sides of $\triangle PQR$ are extended to create $\triangle XYZ$ as follows: side $RQ$ is extended to $Y$ so that $RQ = QY$, side $QP$ is extended to $X$ so that $QP = PX$, and side $PR$ is extended to $Z$ so that $PR = RZ$.

If the area of $\triangle XYZ = 1197$, determine the area of $\triangle PQR$. 