

IB Geometry and Trigonometry Problem 005

The figure is not to scale.



The figure shows $\triangle PQR$, where $RQ = 9 \text{ cm}$, $\angle PRQ = 70^\circ$ and $\angle PQR = 45^\circ$.

- Find $\angle RPQ$.
- Find PR .
- Find the area of $\triangle PQR$.