

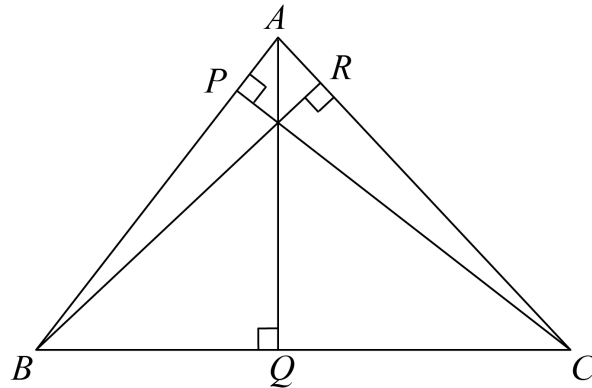


Problem of the Week

Problem E

Now I Know My ABCs

In triangle ABC , point P lies on AB , point Q lies on BC , and point R lies on AC such that AQ , BR , and CP are altitudes with lengths 21 cm, 24 cm, and 56 cm, respectively.



Determine the measure, in degrees, of $\angle ABC$, and the lengths, in centimetres, of AB , BC , and CA .

Note the diagram is not drawn to scale.

