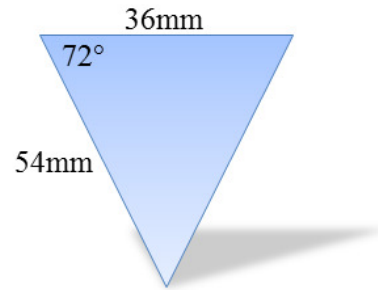
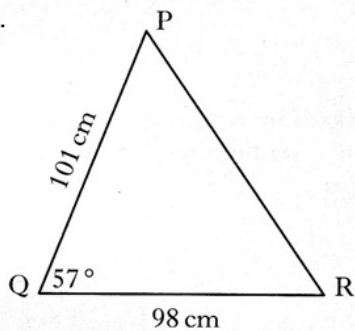


1. A triangular piece of mirrored glass is manufactured as part of satellite's reflector.
The diagram give the dimensions of the glass.



Calculate the area of the glass to the nearest square millimetre.

- 2.



The bonnet of a car is held open, at an angle of 57° , by a metal rod.

In the diagram, PQ represents the bonnet and PR represents the metal rod. QR represents the distance from the base of the bonnet to the front of the car.

Calculate the length of the metal rod, PR.

3. The radio masts, Kangaroo (K), Wallaby (W) and Possum (P) are situated in the Australian outback.

Kangaroo is 250 kilometres due south of Wallaby. Wallaby is 410 kilometres from Possum. Possum is on a bearing of 130° from Kangaroo.

Calculate the bearing of Possum from Wallaby.

Give your answer to the nearest degree.

