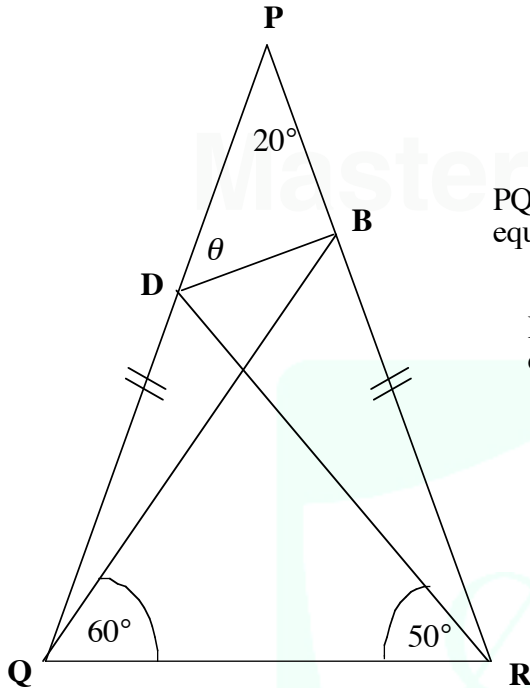


A Matter of Simple Geometry

Phone : 1800 TUTOR (1800 884846)

Famous Problem



PQR is an isosceles triangle with $PQ = PR$ and $\angle QPR$ equal to twenty degrees.

Prove using geometry only (ie angles of a triangle, congruent triangles and Pythagoras' Theorem) that $\angle PDB$ equals fifty degrees.

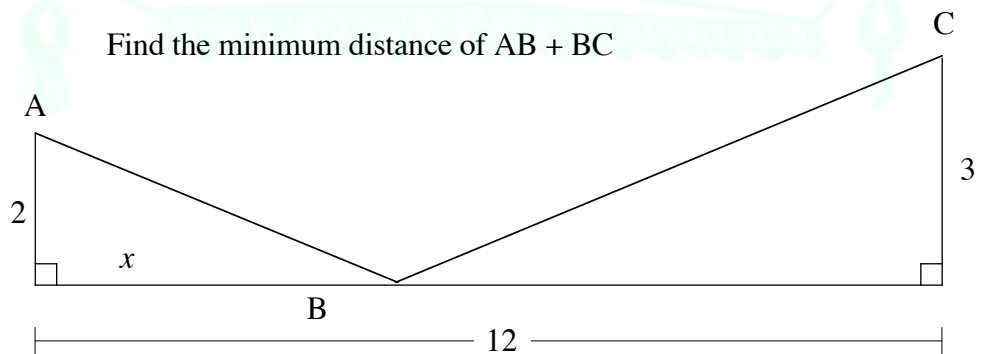
ie Prove that $\theta = 50^\circ$

You can download two separate answers from the shop.

Maximum and Minimum

This can be done using calculus, but it can also be solved using simple geometry.

Can you see the easier way?



Find the minimum distance of $AB + BC$