



Geometry Proofs

Past Exam Questions

Maths - Ordinary Level

Q6(B) - 2013 - Paper 2

OR

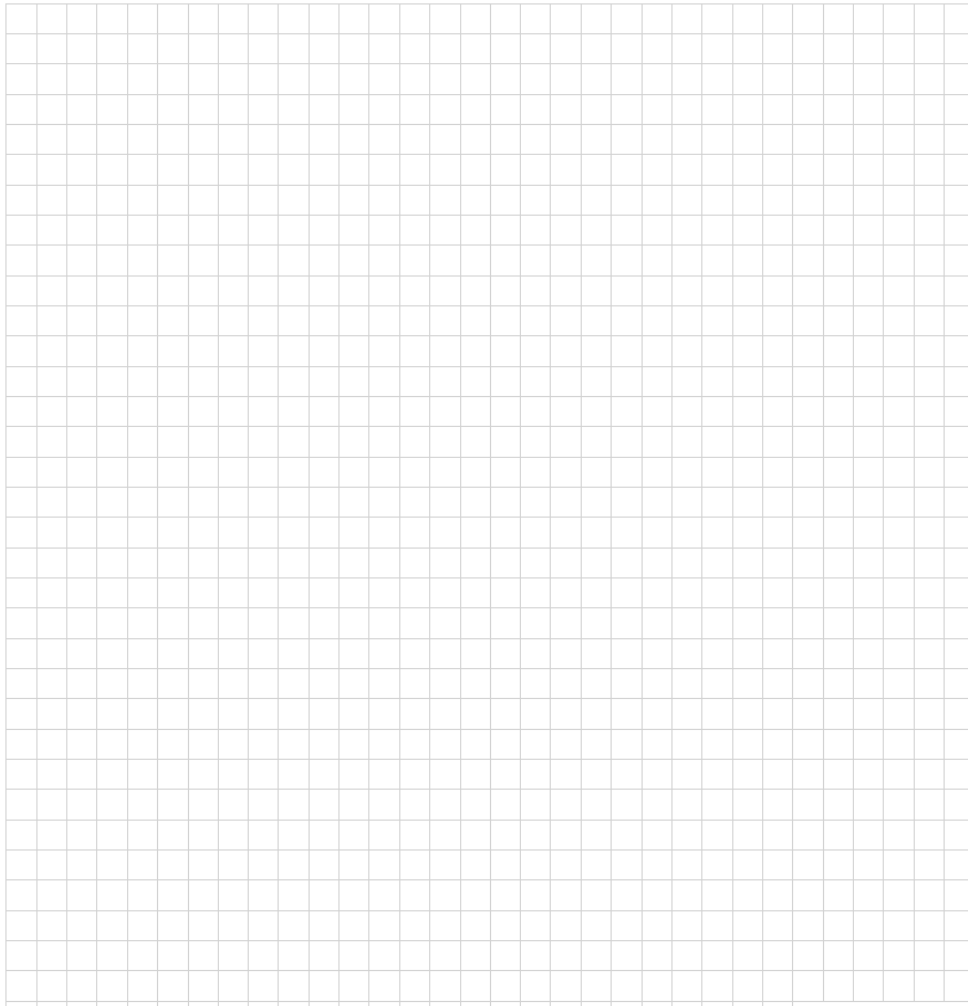
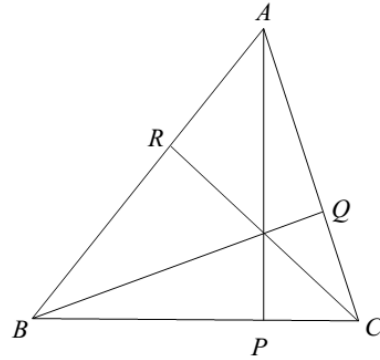
Question 6B

In the acute-angled triangle ABC

$AP \perp BC$, $BQ \perp AC$ and $CR \perp AB$.

Prove that

$$|\angle ABQ| + |\angle BCR| + |\angle CAP| = 90^\circ.$$



OR

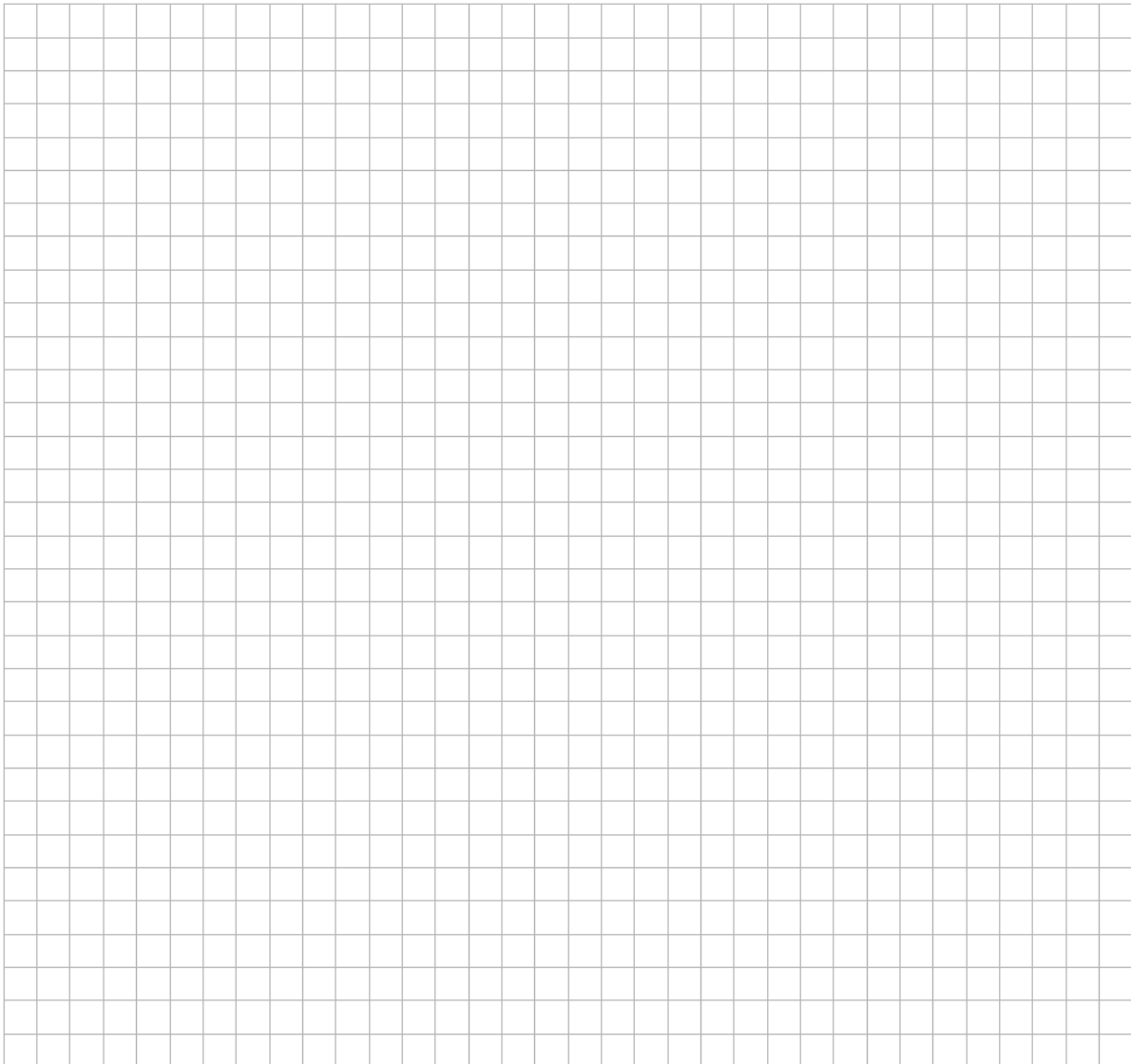
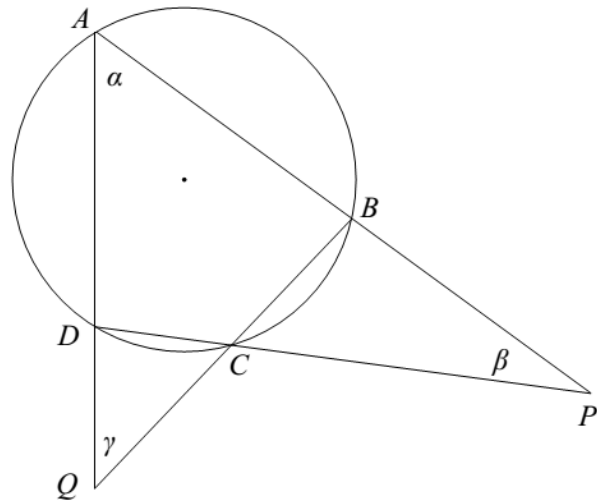
Question 5B

$ABCD$ is a cyclic quadrilateral.

The opposite sides, when extended, meet at P and Q , as shown.

The angles α , β , and γ are as shown.

Prove that $\beta + \gamma = 180^\circ - 2\alpha$.



Q6(B) - P2 - 2012

OR

Question 6B

$ABCD$ is a parallelogram.

The points A , B and C lie on the circle which cuts $[AD]$ at P .

The line CP meets the line BA at Q .

Prove that $|CD| = |CP|$.

