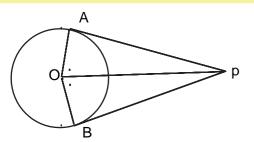


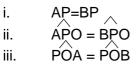
Written by – IGJ Ihalagedara, ISA, Ganewaththa Education Division Translated By – MSM Manawadu, Ibbagamuwa Central College Prepared by – MVDPTK Dewapriya, Deputy Director of Education, Department Of Education(NWP) <u>IDD Senavirathna- Assistant Director of Education,</u> ZEO, Ibbagamuwa 2

Theorem

If two tangent are trawn to a circle form an external point, then,

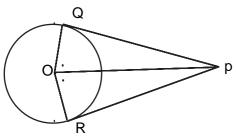
- i. The two tangents equal in length.
- **ii.** The angle between the tangents is bisected by the staight line joinng thr external point to the centre.
- iii. The tangents subtend equal angles at the centre.





Exercise - 02

 $01\,$  The tangents through the points Q and R on the circle With centre O in the figure,Meet at P



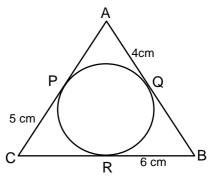
Fill in the folloing blanks to prove that the two triangles PQO and are congruent.

OQ = OR (.....) ...... = ....... (Common Side)

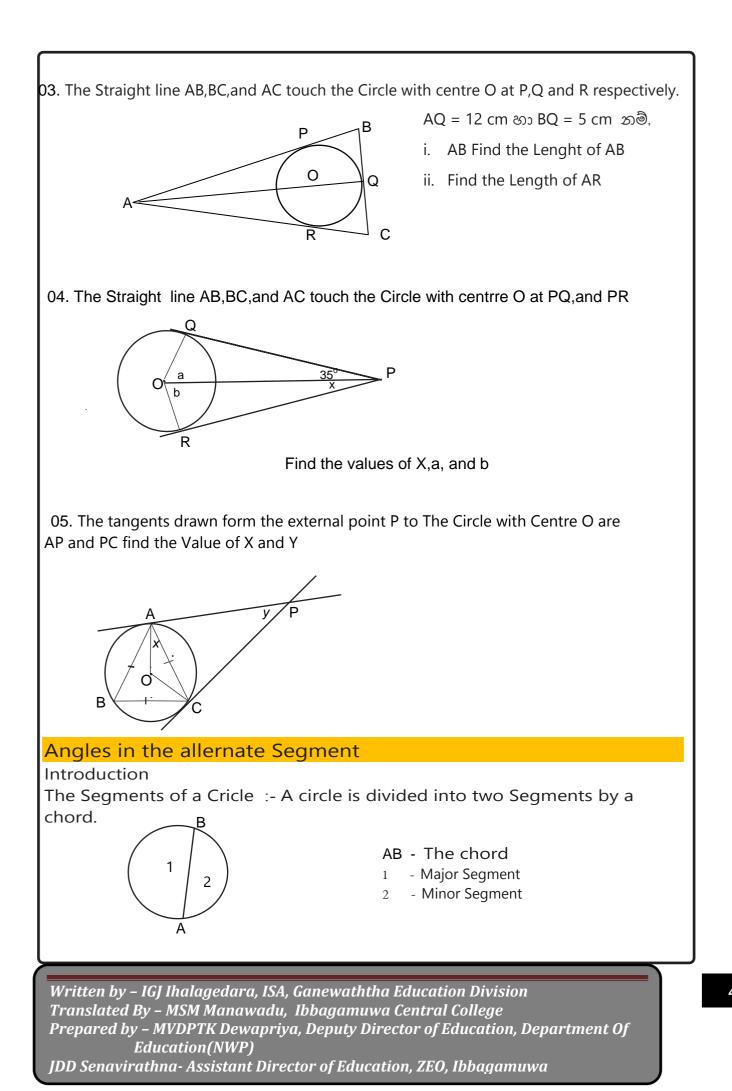
PQO  $\Delta$  = PRO(Hyp.s)

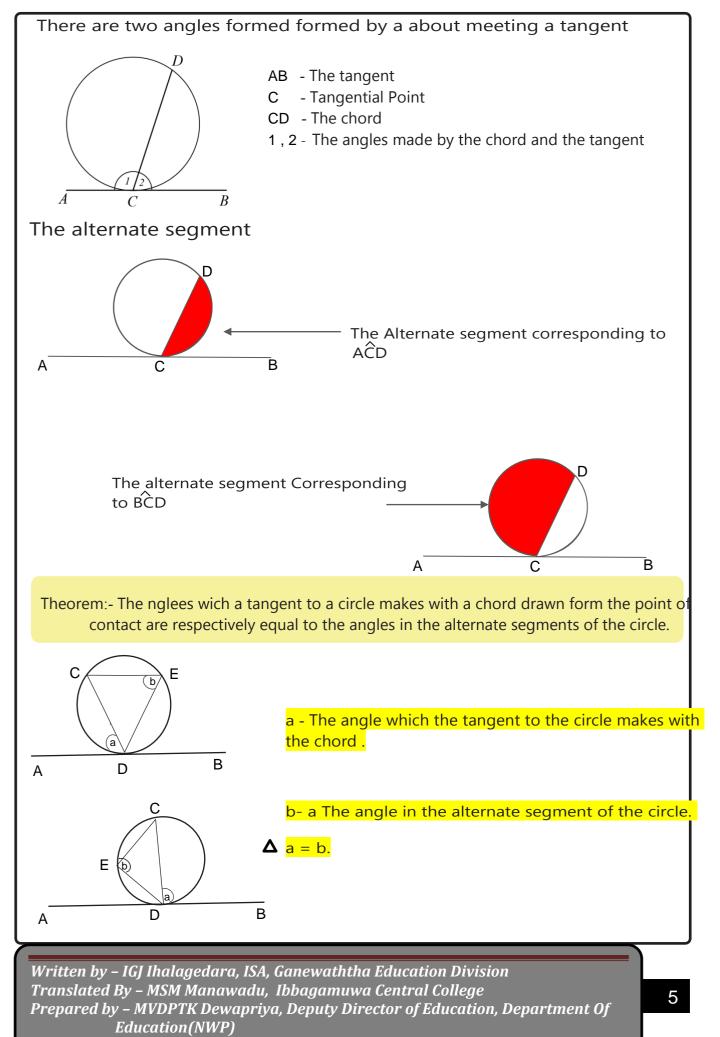
Write the Perimeter of the triangle ABC

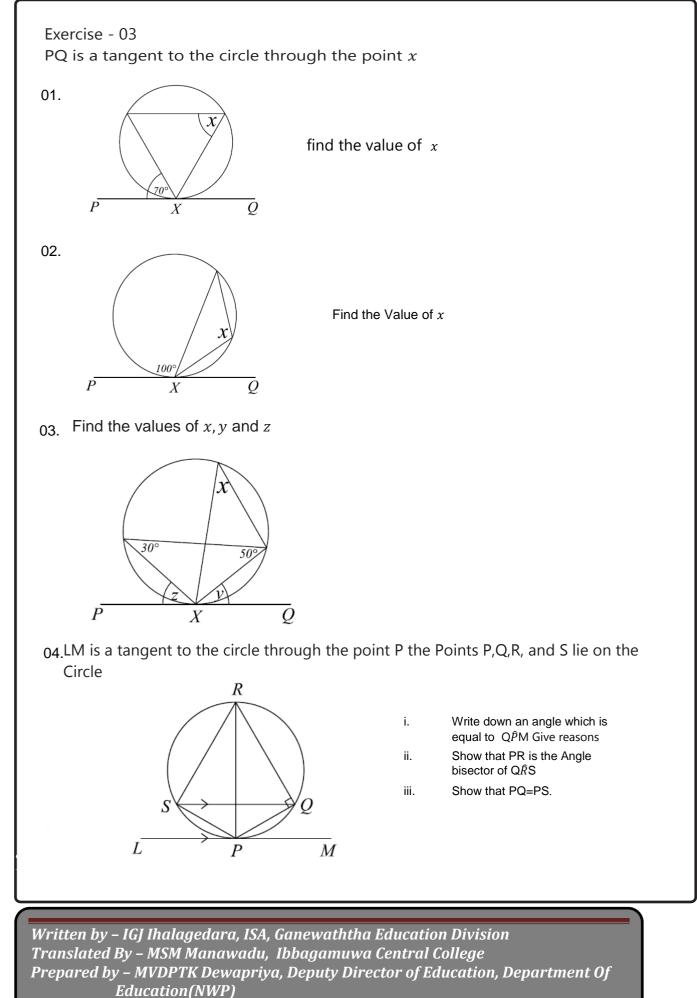
02. Find the perimeter of the triangle ABC



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