K Education Centre

GCSE Maths - Higher
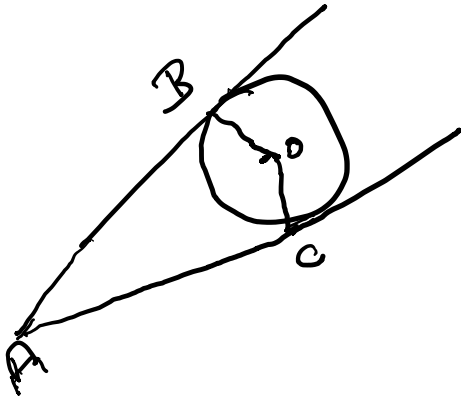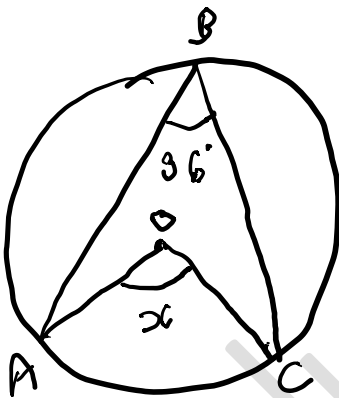
Circle Theorems

Assignment Questions

Circle Theorems

Q1 : B and C are the points on the circumference of the circle , centre O. If AB and Ac are tangents to the circle. Prove that triangles ABO and ACO are congruent.
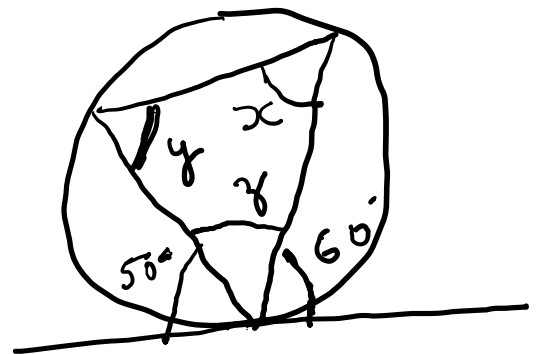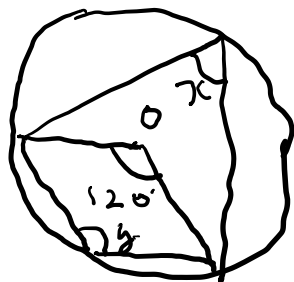
Q2: Find the missing angle:

a)

b)

Q 3 : Find the missing angles. O is the centre of the circle.

a)

b)

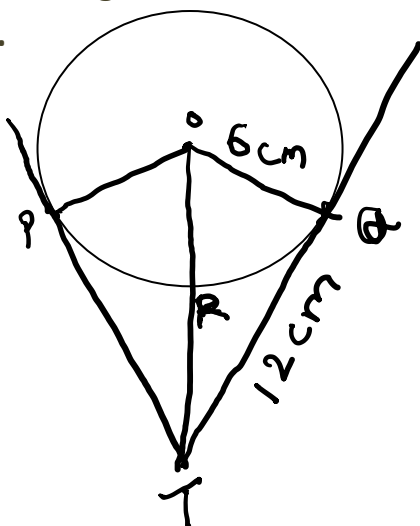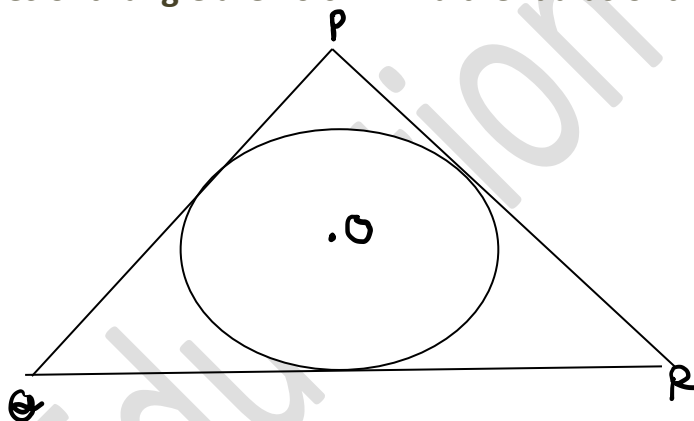**Q4: PT and QT are tangents to the circle with centre O as shown in the diagram. Calculate the length of RT.**

Q5 : The diagram shows a circle with centre O. Circle is inside a equilateral triangle PQR. The lengths of sides of triangle are 10 cm. Find the radius of the circle.

Q6: Prove that angle between tangent and chord through the point of contact in circle with centre O is equal to the angle in alternate segment.