ZiloAcademy

✨ Grade 10 Maths — Circle Geometry ✨

Name: Demo **Date:** 26/11/2026

1. A tangent touches a circle at T, with centre O. A line from O makes 60° with the radius OT, meeting the tangent at P. Find ∠OPT.

2. ABCD is a cyclic quadrilateral with ∠A = 66°. Find ∠C (the opposite angle).

3. ABCD is a cyclic quadrilateral with ∠A = 105°. Find ∠C (the opposite angle).

4. An angle at the circumference is 59°, standing on the same arc as an angle at the centre. Find the angle at the centre.

5. A tangent touches a circle at T, with centre O. A line from O makes 69° with the radius OT, meeting the tangent at P. Find ∠OPT.

6. AB is a diameter of a circle and C is on the circle. If ∠CAB = 60°, find ∠CBA.

7. A tangent touches a circle at T, with centre O. A line from O makes 62° with the radius OT, meeting the tangent at P. Find ∠OPT.

8. AB is a diameter of a circle and C is on the circle. If ∠CAB = 56°, find ∠CBA.

9. ABCD is a cyclic quadrilateral with ∠A = 63°. Find ∠C (the opposite angle).

10. AB is a diameter of a circle and C is on the circle. If ∠CAB = 53°, find ∠CBA.