

ATHEMATICS

M

Cincles





--- 1. Lines related to a Circle



- -- 2. Tangents and Secants
- --- 3. Number of Tangents
- ---- 4. Theorems related to a Tangent
- 5. Important Corollaries

Tangent line

Point of Tangency

0



Cincles



















Important Corollaries



For C_1 and C_2 being concentric circles,

OP is perpendicular bisector of AB
AP = PB



PA and PB are 2 tangents drawn from an external point P to a circle with centre at O, $\checkmark \angle APB = 2 \angle BAO$ $\bigstar \angle PAB = \angle PBA = (90^\circ - \frac{x}{2})$



