

## Chapter - 10: Circles

Th-1.1 : A tangent to circle is perpendicular to the radius through the point of contact

Th-1.2 : A line drawn through the end point of radius and perpendicular to it is a tangent to the circle.

Th-1.3 : The length of two tangents drawn from an external point to a circle are equal.

Th-1.4 : If two tangent are drawn to a circle from an external point, then :

- They subtend equal angle at centre.
- They are equally inclined to the segment, joining the centre to that point.