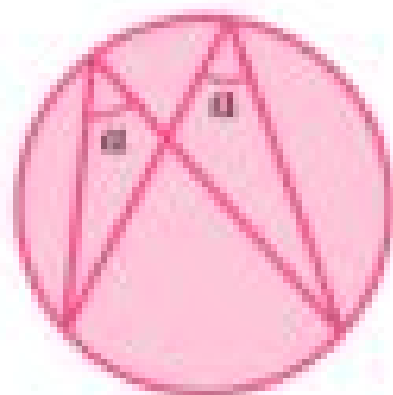


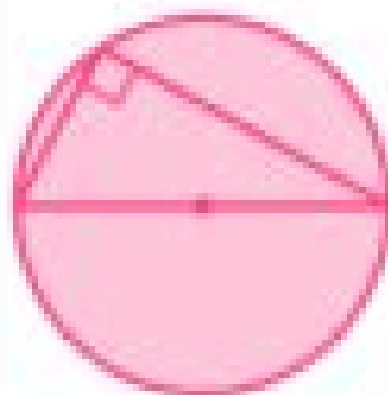
The angle at the centre is twice the angle at the circumference



Angles in the same segment are equal



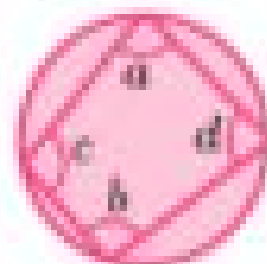
The angle in a semicircle is 90°



Opposite angles in a cyclic quadrilateral add up to 180°

$$a + b = 180^\circ$$

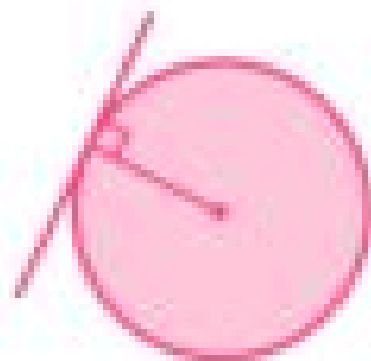
$$c + d = 180^\circ$$



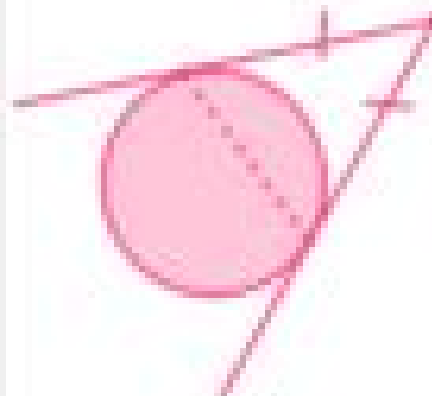
The perpendicular from the centre to the chord bisects the chord



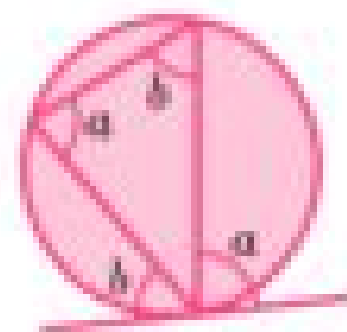
The angle between a tangent and a radius is 90°



Tangents from a point outside a circle are equal in length



Alternate segment theorem



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