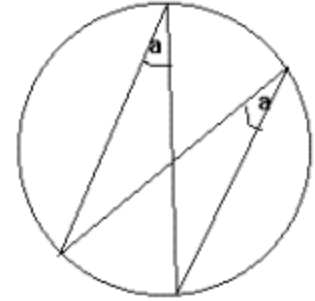


CIRCLE THEOREMS LIST OF REASONS

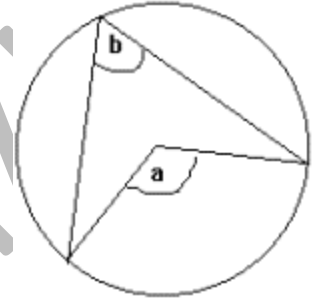
Theorem 1: Angles subtended by the same chord

Or

Angles in the same segment



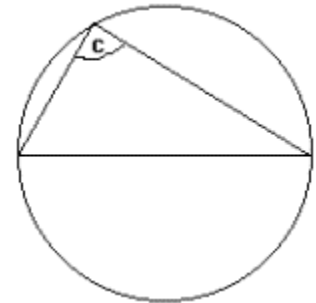
Theorem 2: Angle at centre is twice angle at circumference



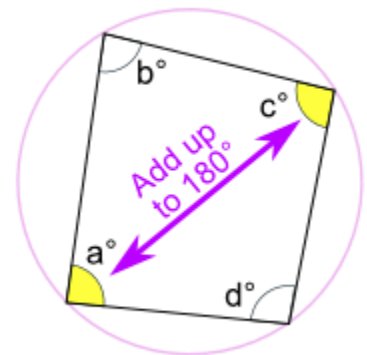
Theorem 3: Angles subtended by the diameter is 90

Or

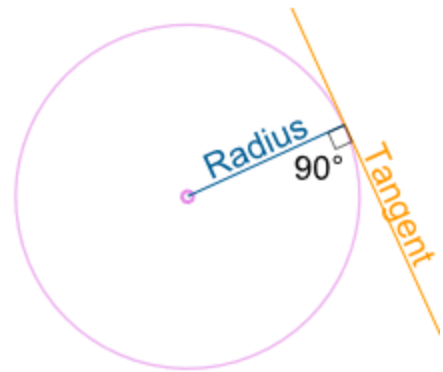
Angle in a semi circle



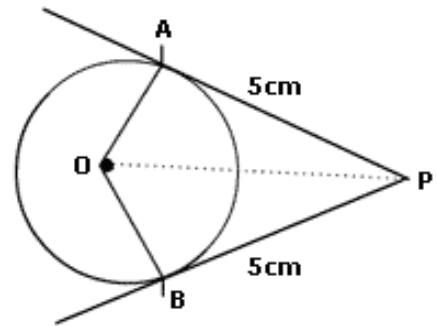
Theorem 4: Opposite angles of a cyclic quadrilateral add up to 180



Theorem 5: Angle between radius and tangent is 90



Theorem 6: Two tangents drawn from the same external points are equal



Theorem 7: Alternate segment theorem

