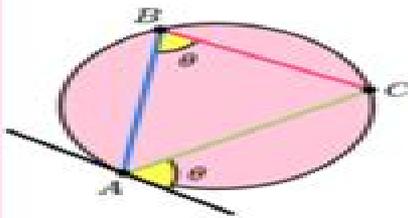


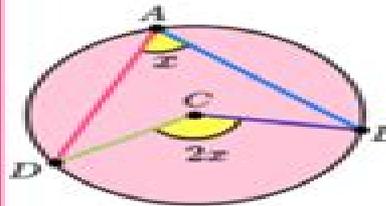
# Circle Theorems

## Alternate segment theorem



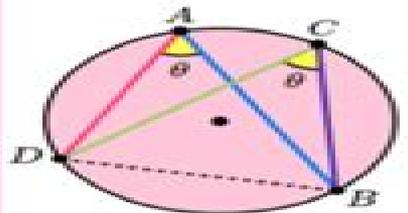
The angle that lies between a tangent and a chord is equal to the angle subtended by the same chord in the alternate segment.

## Angle at the centre theorem



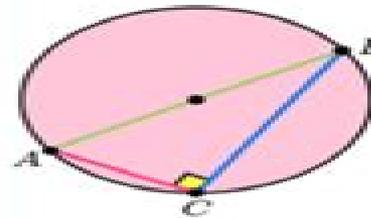
The angle at the centre is twice the angle at the circumference.

## Angles in the same segment theorem



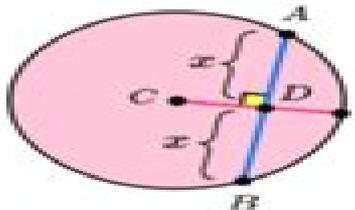
Angles in the same segment are equal.

## Angles in a semicircle



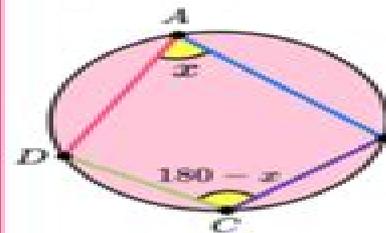
The angle in a semicircle is 90 degrees.

## Chord of a circle



The perpendicular from the centre of a circle to a chord bisects the chord (splits the chord into two equal parts).

## Cyclic quadrilateral



The opposite angles in a cyclic quadrilateral total  $180^\circ$ .

## Tangent of a circle

Diagram A

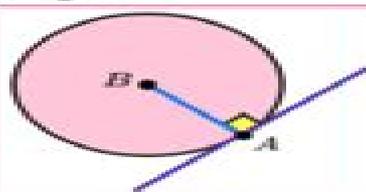
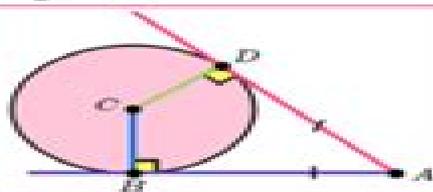


Diagram B



A. The angle between a tangent and radius is 90 degrees.  
B. Tangents which meet at the same point are equal in length.



# Geometry Circle Theorems

**DK**



## **Geometry Circle Theorems:**

## The Enigmatic Realm of **Geometry Circle Theorems**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing in short supply of extraordinary. Within the captivating pages of **Geometry Circle Theorems** a literary masterpiece penned by way of a renowned author, readers embark on a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of people who partake in its reading experience.

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