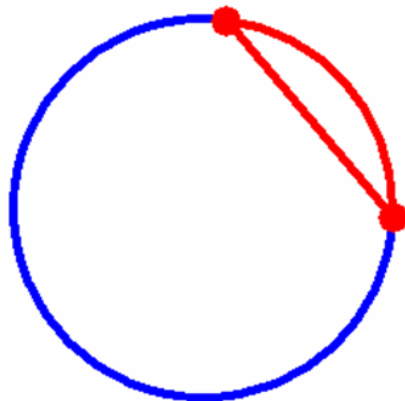# Def. Arc of the Chord

An arc that shares the same endpts. as a chord.

Th. 10-2
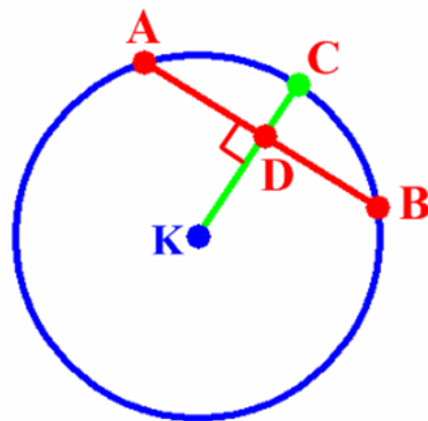
In a circle or in ≅ circles, 2 minor arcs are ≅ iff their corresponding chords are ≅.

Th. 10-3

In a circle, if a diameter (or radius) is ⊥ to a chord, then it bisects the chord and its arc.

Th. 10.4

The $\perp$ bisector of a chord is the diameter (or radius) of the circle.

Th. 10.5

In a circle or in ≅ circles, 2 chords are ≅ iff they are equidistant from the center.

$$\overline{AB} \cong \overline{CD}$$