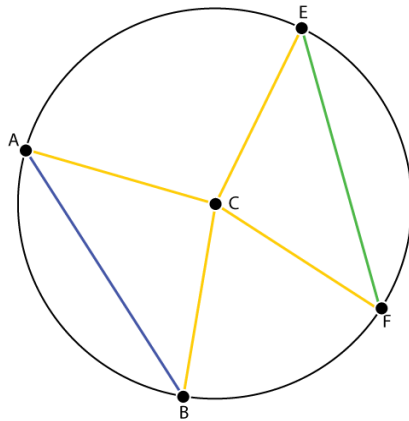


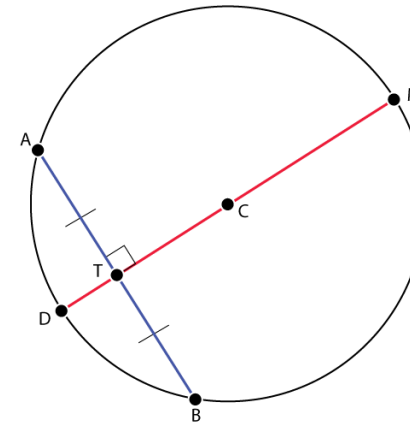
Theorem 10.5

In the same circle or in congruent circles, two minor arcs are congruent if and only if their corresponding chords are congruent.



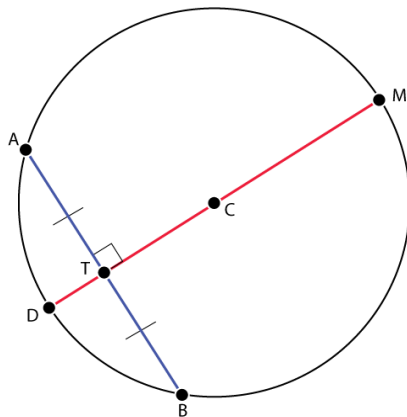
Theorem 10.6

If diameter **DM** is perpendicular to the chord **AB**, then **DM** bisects the chord **AB** and arc **AB**.



Theorem 10.7

If **DM** is a perpendicular bisector of chord **AB**, then **DM** is a diameter.



Theorem 10.8

The chord **AB** is congruent to the chord **EF** if and only if they are equidistant from the center **C**.

