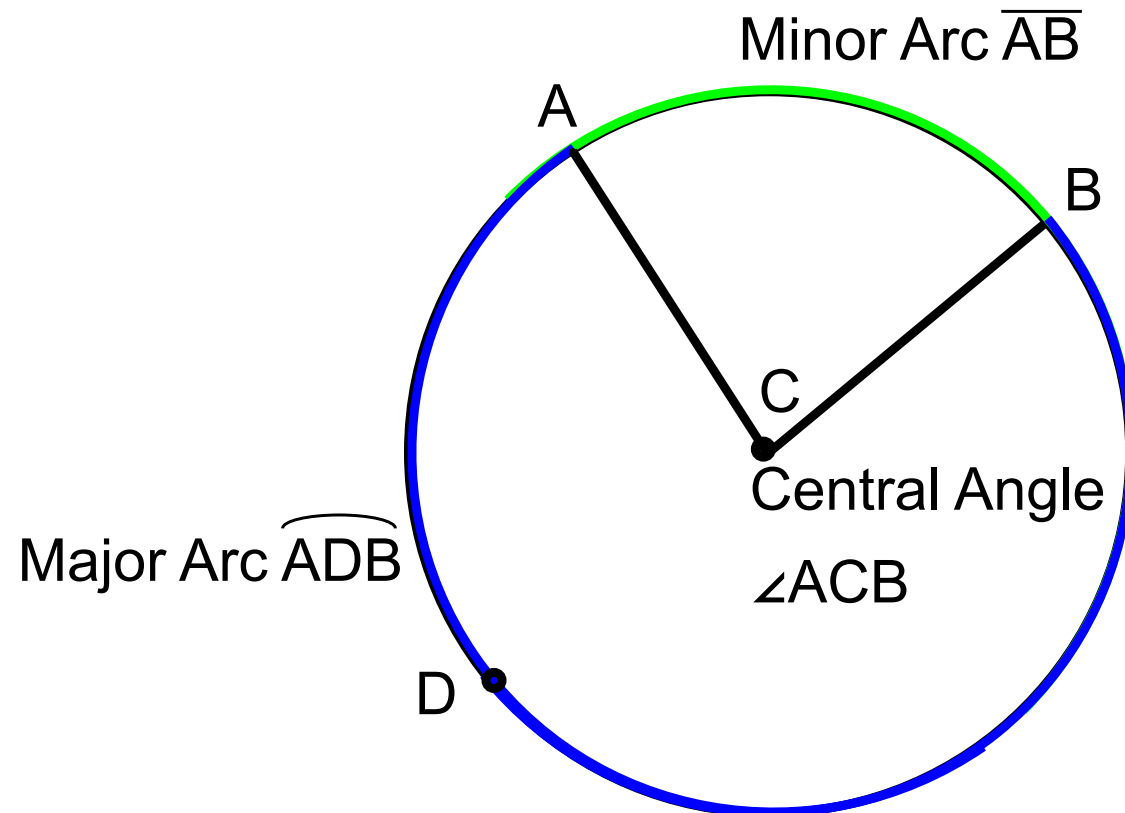
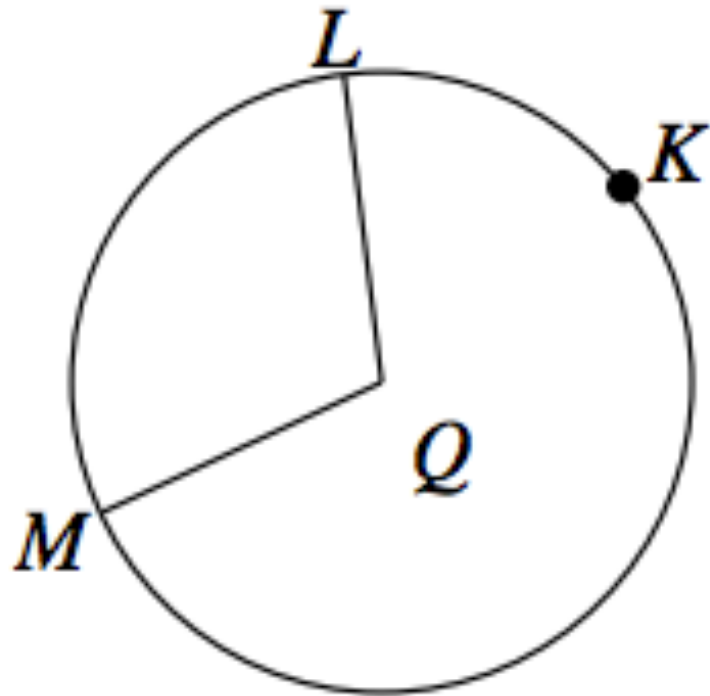


Naming the Central Angle, Major Arcs, and Minor Arcs



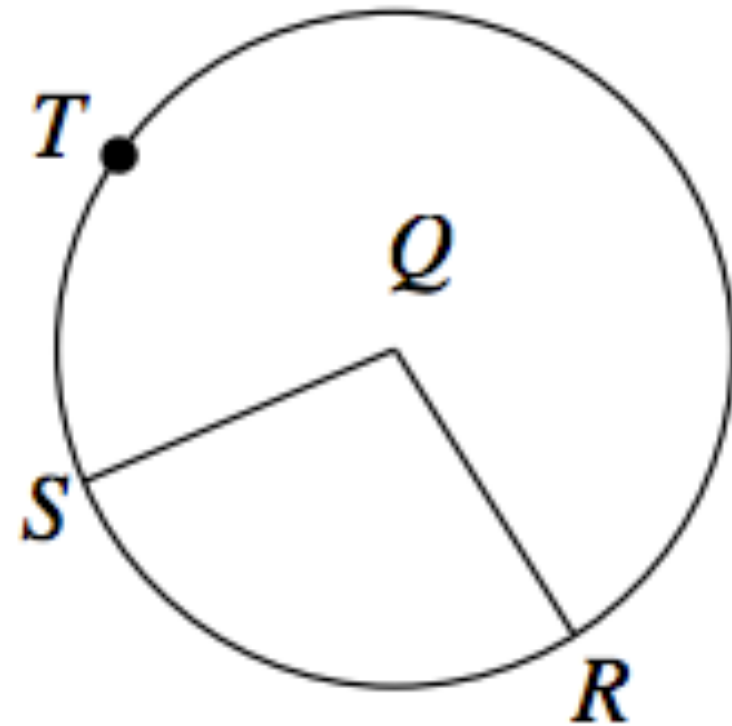
Name the major and minor arcs and the central angles of these circles:



Major Arc:

Minor Arc:

Central Angle:



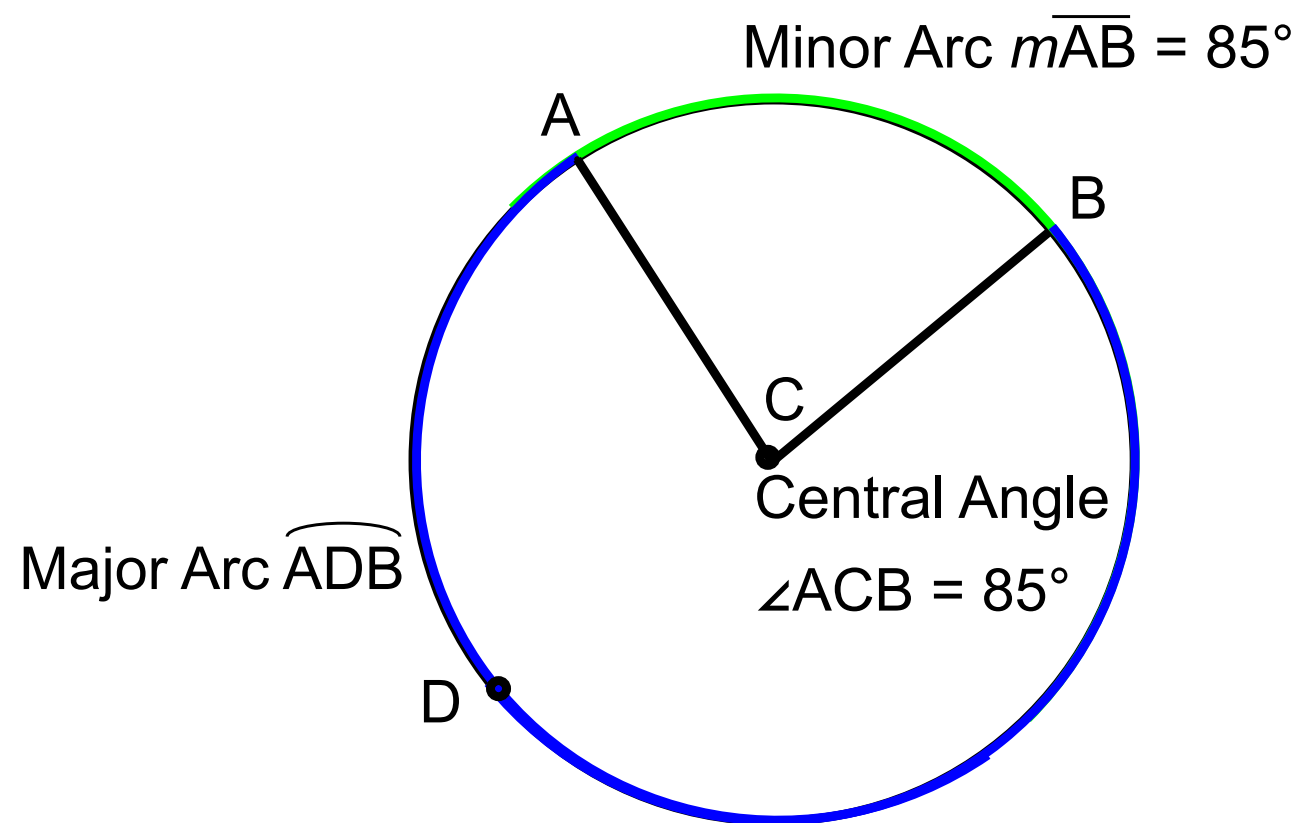
Major Arc:

Minor Arc:

Central Angle:

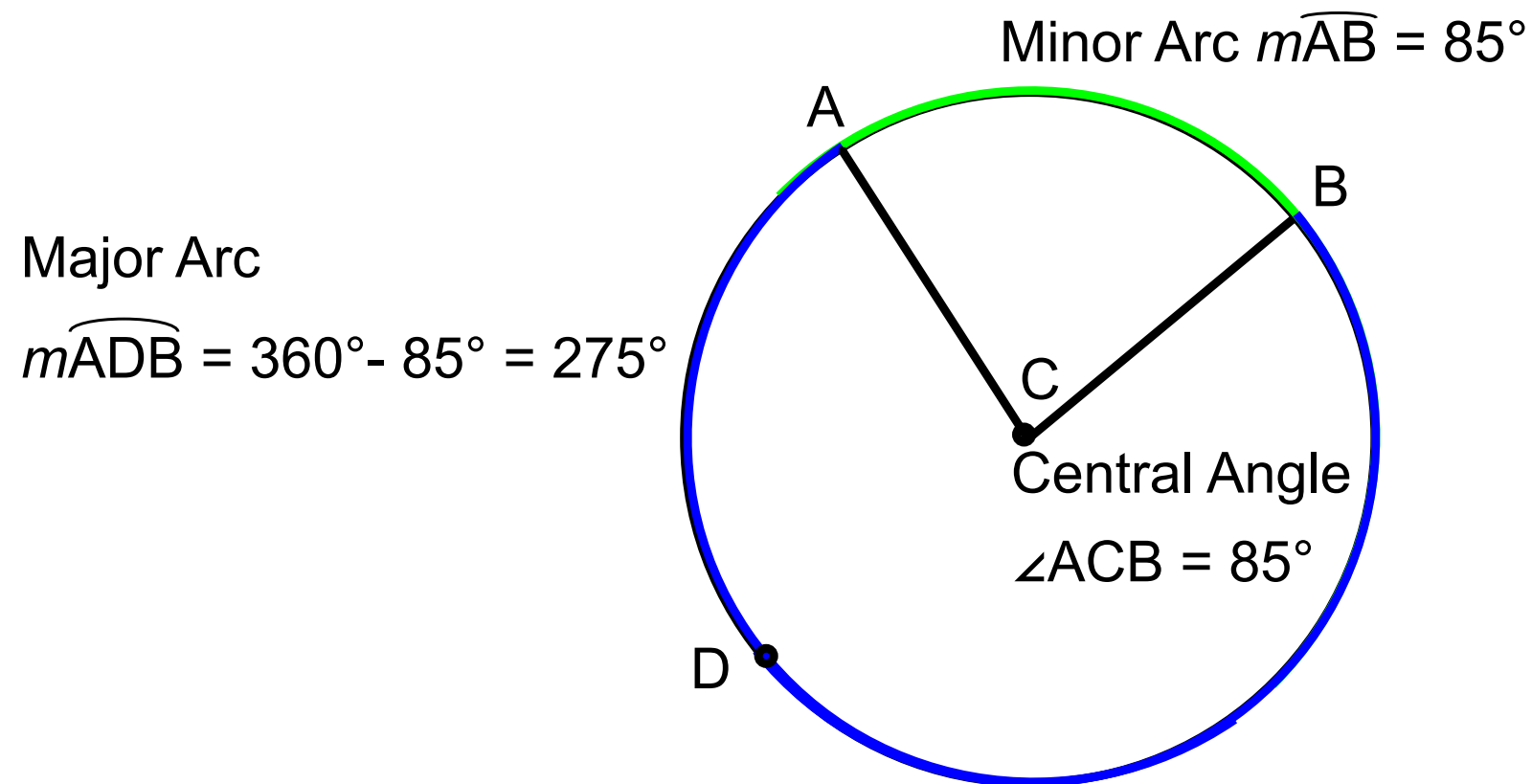
Measuring Arcs

The measure of a **minor arc** is the measure of the central angle.



Measuring Arcs

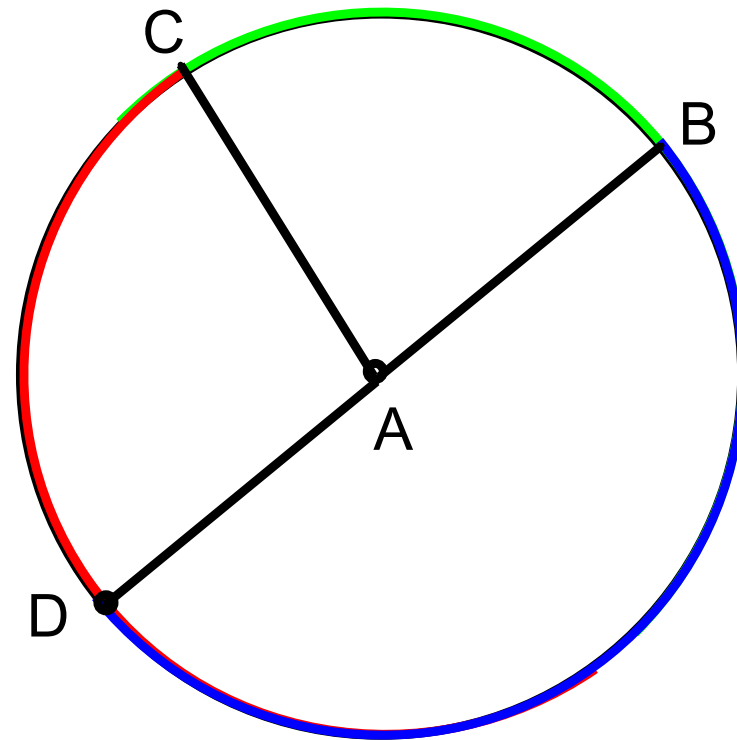
The measure of a **major arc** is 360° minus the measure of the central angle.



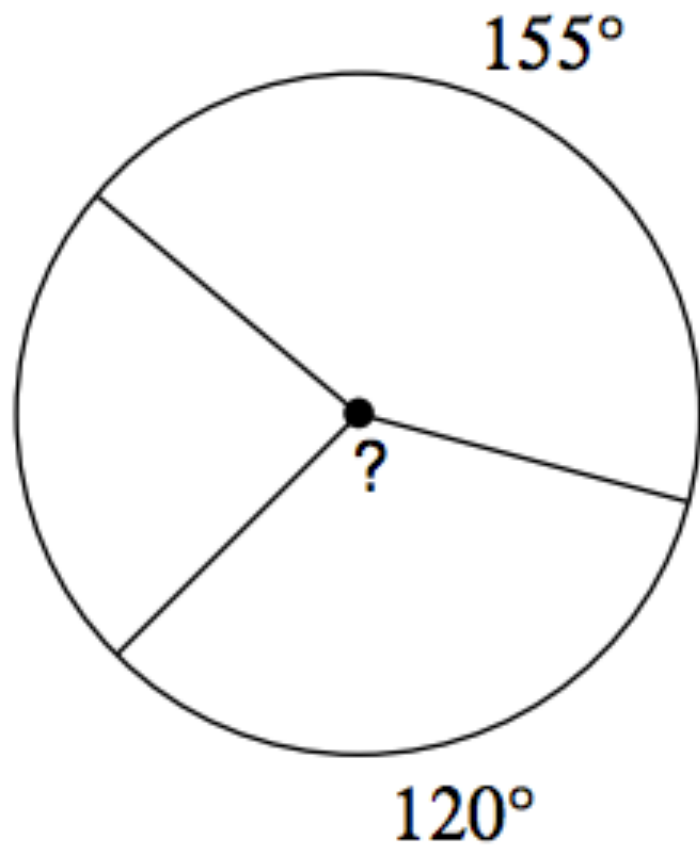
Postulate 23: Arc Addition Postulate

The measure of an arc formed by two adjacent arcs is the sum of the two arcs.

$$m\overset{\text{green}}{CB} + m\overset{\text{red}}{DC} = m\text{DCB}$$

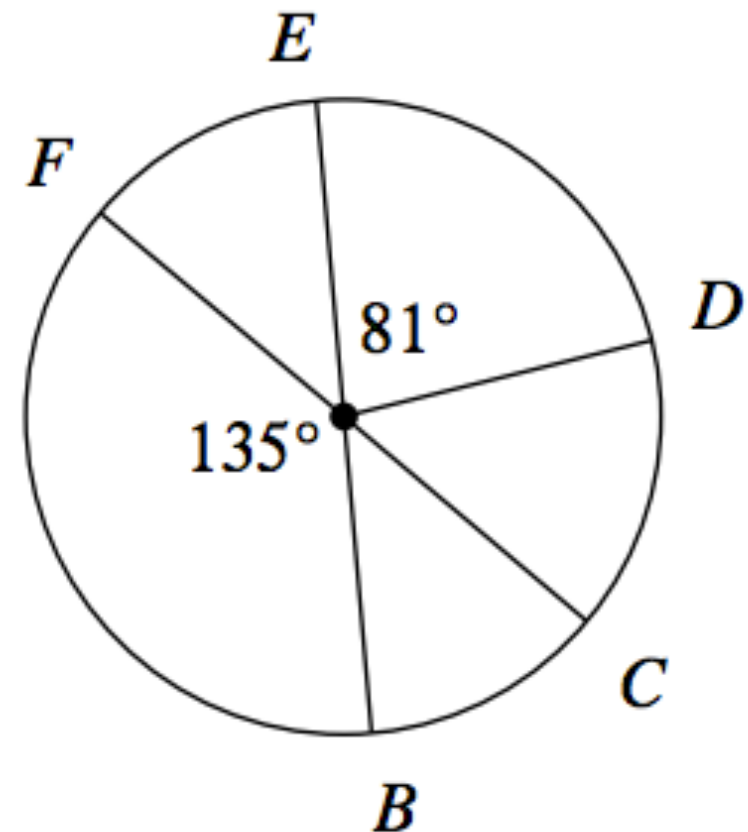


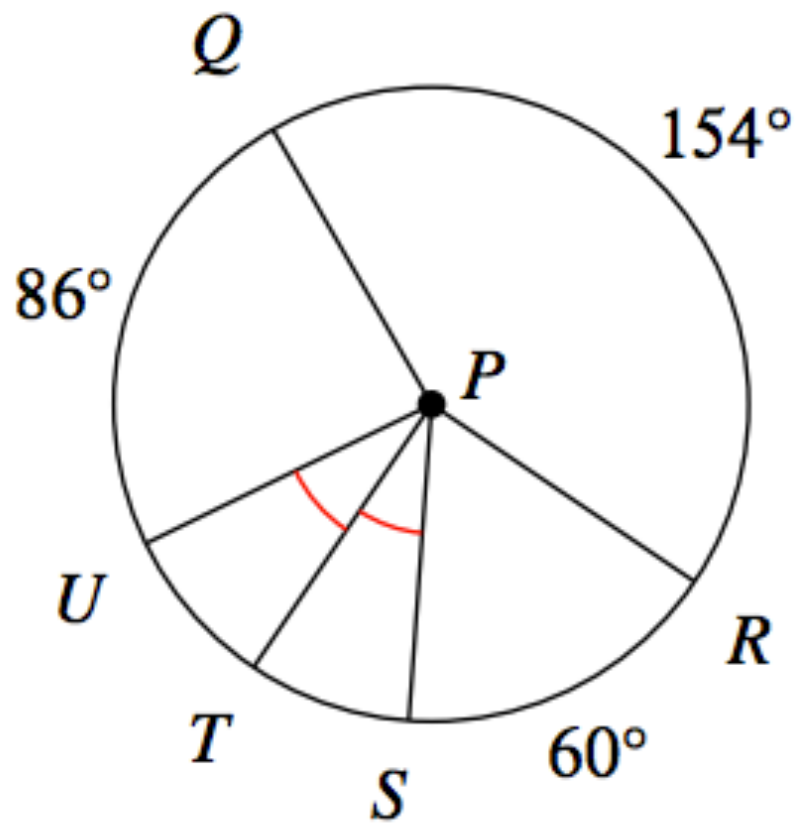
Find the measure of "?"



Find the measure of \widehat{EDC}

FC and BE are diameters





Find the measures of:

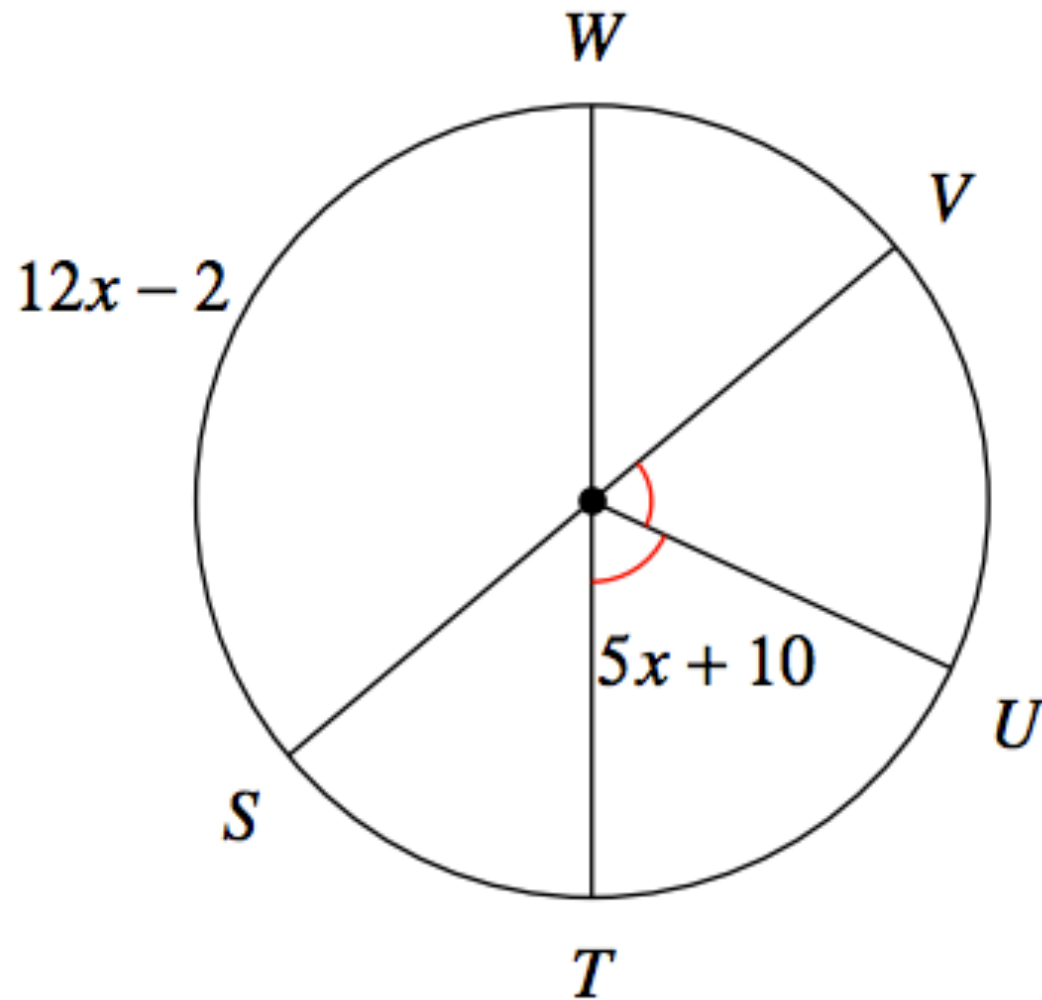
$$\angle QPR =$$

$$\widehat{UTS} =$$

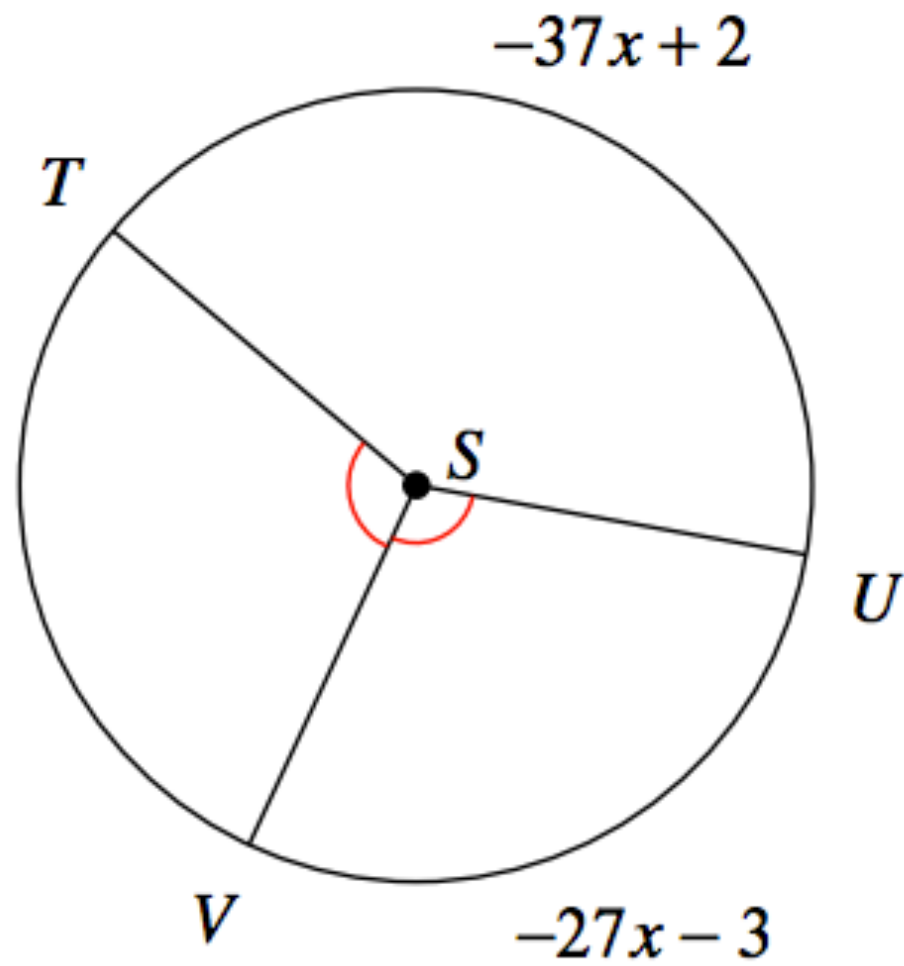
$$\widehat{QUT} =$$

Find $m\widehat{WV}$

WT and SV are Diameters



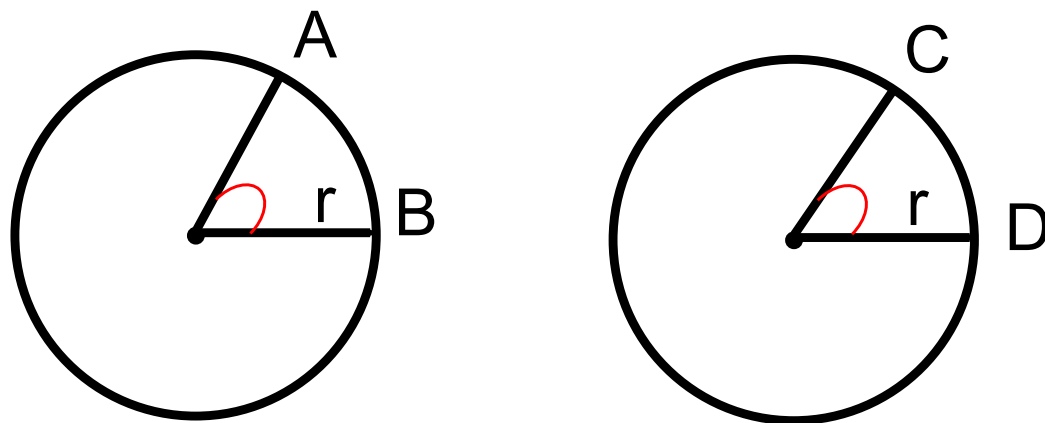
Find $m\angle VST$



Two circles are congruent if they have the same radius.

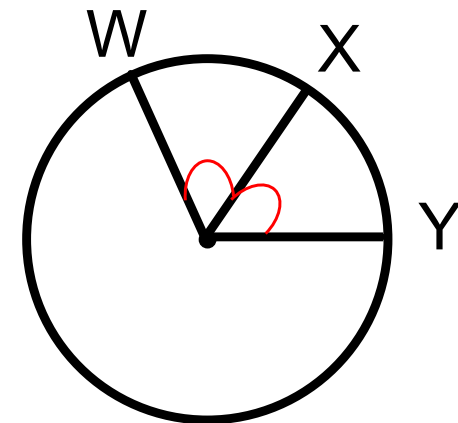


Two arcs are congruent if they have the same measure and they are on the same circle or congruent circles.



$AB \cong CD$

OR



$WX \cong XY$

Exit ticket:

1) Answer the following question and explain your answer:

Are all circles similar?

2) Summarize what you learned today.

Review the main ideas of today's class, important ideas we discussed, anything else that stood out as important to today's class, also anything that is still confusing.

Vocabulary Sheets

Words:

Circle

Chord

Secant

Tangent

Coplanar

Common Tangents

Central Angle

Minor Arc

Major Arc

