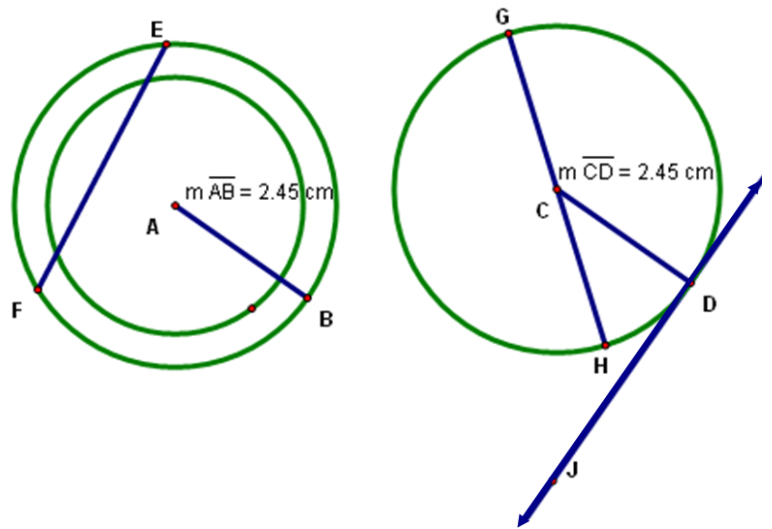


Parts of circles

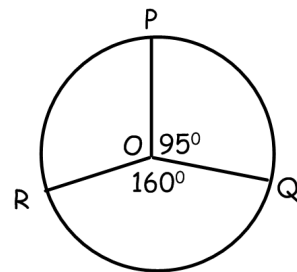
A. Using correct symbols, name all:

1. Centers: _____
2. Radii: _____
3. Diameters: _____
4. Chords: _____
5. Tangent lines: _____
6. Points of tangency: _____
7. Central Angles: _____
8. Semicircles: _____
9. major arcs: _____
(hint: there are 4)
10. minor arcs: _____
(hint: there are 5)
11. Congruent circles: _____
12. Concentric circles _____



B. Find the measure of each arc:

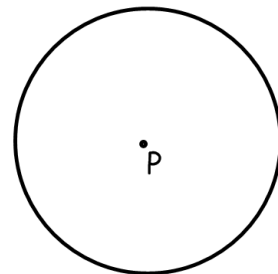
1. $m\widehat{PQ} =$ _____
2. $m\widehat{RQ} =$ _____
3. $m\widehat{PR} =$ _____
4. $m\widehat{PQR} =$ _____
5. $m\widehat{PRQ} =$ _____
6. $m\widehat{RPQ} =$ _____



C. Label three points on circle P: R, S and T.

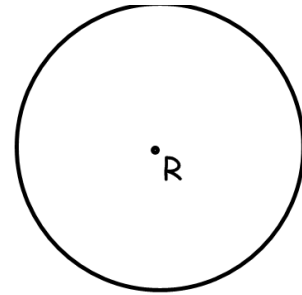
Draw $\triangle RST$.

What type of triangle is $\triangle RST$?

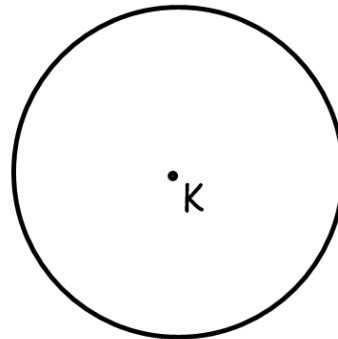
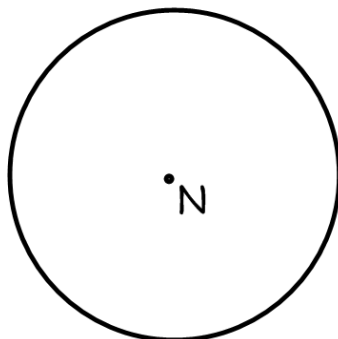
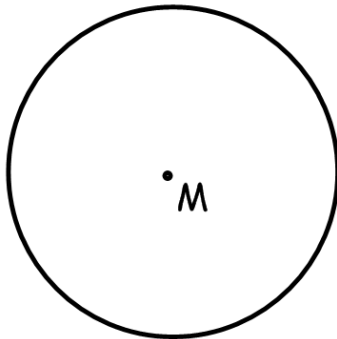


D. Draw two chords of different sizes on circle R.

Which chord is closer to the center of the circle, the longer chord or the shorter chord?



E. Draw each of the following on the given circles, each letter can only be used once.



1. On circle N, draw diameter \overline{AB}
2. Draw radius \overline{KL}
3. Draw $\angle ANC$
4. On circle M, draw chord \overline{DF}
5. Draw \overrightarrow{YE} with point of tangency L
6. Draw $\angle ABC$
7. Draw $\angle DMF$
8. Create \widehat{DRF}
9. Draw $\angle DRF$

F. Using your drawings above to answer

1. Which angle has a greater measure, $\angle DRF$ or $\angle DMF$?
2. Which angle has a greater measure, $\angle ABC$ or $\angle ANC$?
3. Which angle has a greater measure, $\angle KLY$ or $\angle KLE$?
4. $m \widehat{ACB} = \underline{\hspace{2cm}}$