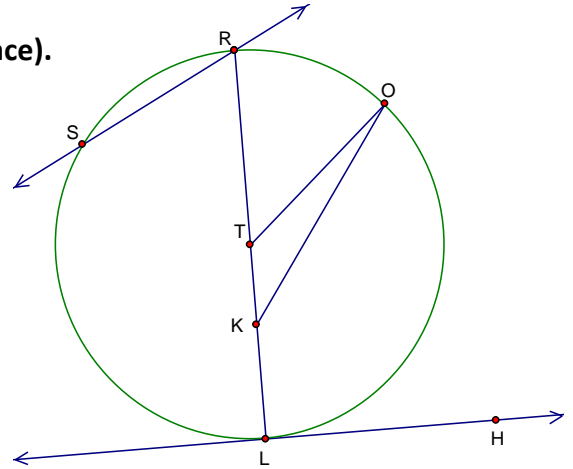


1. Why are all circles similar?

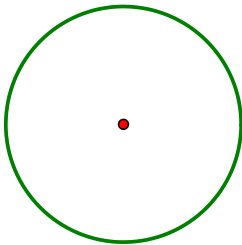
2. List one of each of the following for Circle T (use each item once).

- a. _____ Major Arc
- b. _____ Diameter
- c. _____ Chord
- d. _____ Minor Arc
- e. _____ Tangent line
- f. _____ Interior Point
- g. _____ Secant line
- h. _____ Exterior Point
- i. _____ Center
- j. _____ Semi-Circle

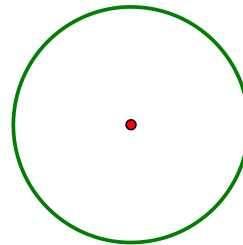


3. Draw the following relationships.

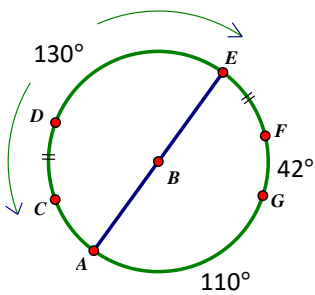
a) Secant \overleftrightarrow{GE} and chord \overline{AB} intersect on Circle K.



b) Diameter BE and tangent \overleftrightarrow{GE} intersect



4. Determine the measure of the following arcs.



$m\widehat{AC} =$ _____

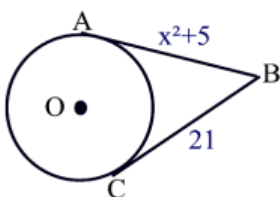
$m\widehat{DAG} =$ _____

$m\widehat{AD} =$ _____

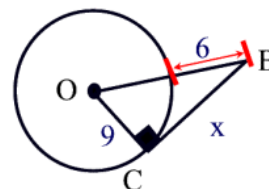
$m\widehat{DAF} =$ _____

5. Assume that segments/lines which appear tangent are.

a) Find AB.

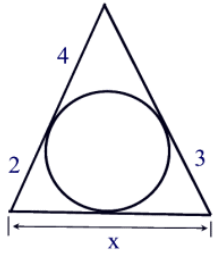


b) Find the perimeter of $\triangle OCB$.

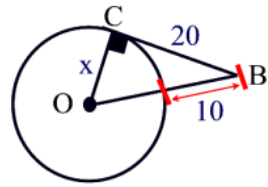


6. Assume that segments/lines which appear tangent are.

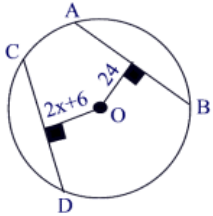
a) Find the perimeter of the triangle.



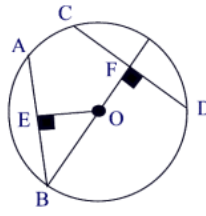
b) Find OB.

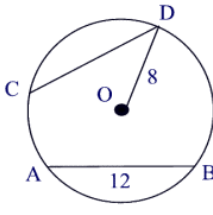


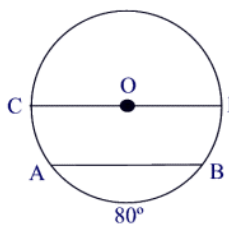
c) Given $\overline{CD} \cong \overline{AB}$. Find x.



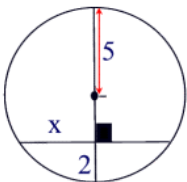
d) Given $\overline{OE} \cong \overline{OF}$, AE = 6, OB = 10. Find OF.



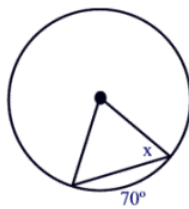
e)  Given: Circle O,
 $\widehat{AB} \cong \widehat{CD}$
 $AB = 12$
 $OD = 8$
 Find CD.

f)  Given: Circle O,
 \overline{CD} diameter
 $\overline{AB} \parallel \overline{CD}$
 $m\widehat{AB} = 80^\circ$
 Find $m\widehat{CA}$

g) Find x.



h) Find x.



i) Is \overline{BC} tangent to the circle?

