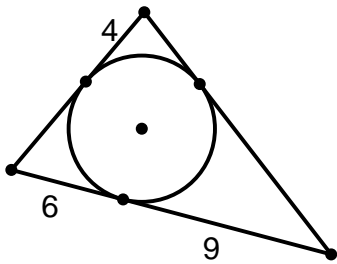
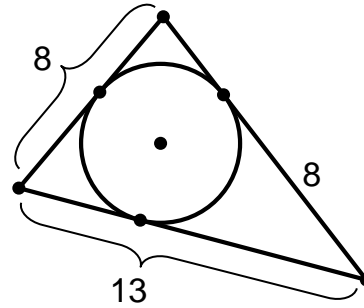


1. Find the perimeter of the triangle.

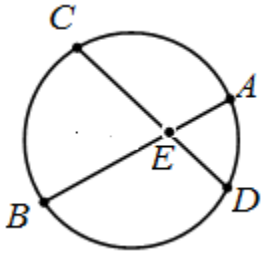
a.



b.



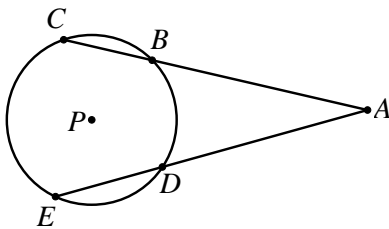
2. Chords \overline{AB} and \overline{CD} intersect at E.



a. $AE = 20$, $EB = 5$, and $CE = 10$. Find ED.

b. $CE = 56$, $ED = 14$, and $AE = EB$. Find EB.

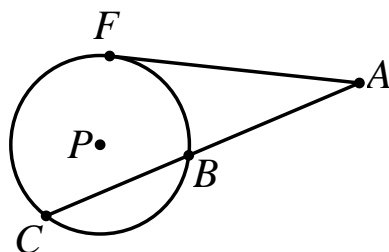
3. Secants \overline{ABC} and \overline{ADE} intersect outside the circle.



a. $AD = 12$, $AE = 20$, and $AB = 8$. Find AC.

b. $AB = 3$, $AD = 2$, and $DE = 10$. Find AC.

4. Tangent \overline{AF} and secant \overline{ABC} intersect outside the circle.

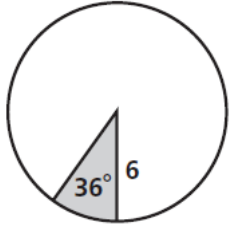


a. $AF = 6$ and $AC = 9$. Find AB.

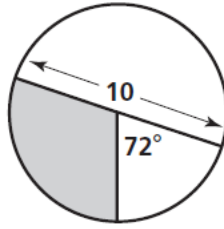
b. $AF = 8$ and $CB = 12$. Find AC, AB, and BC.

5. Find the area of each shaded sector in terms of π and rounded to the nearest tenth.

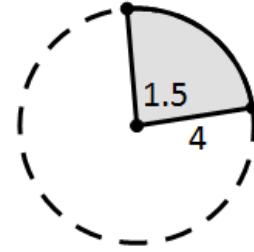
a.



b.

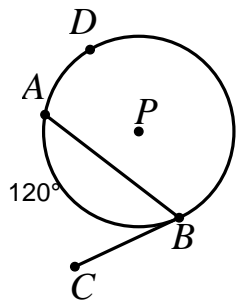


c.

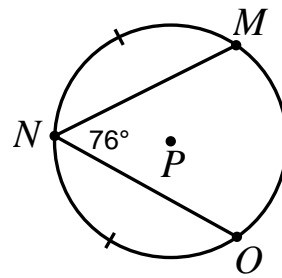


6. Mixed Review:

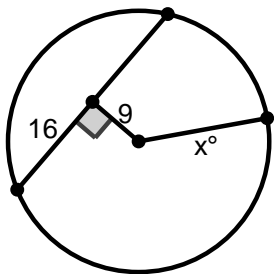
a. Find $m\angle ABC$, $m\widehat{ADB}$



b. Find $m\widehat{MO}$, $m\widehat{MN}$, $m\widehat{NO}$



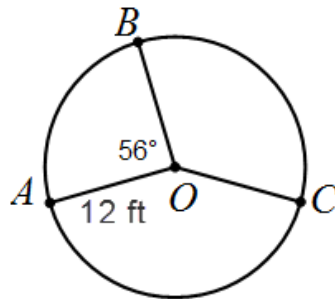
c. Solve for x.



d. $m\widehat{AB} : m\widehat{BC} = 2 : 3$.

Find $m\widehat{BC}$ (in degrees)

Find the length of \widehat{BC} (in feet)

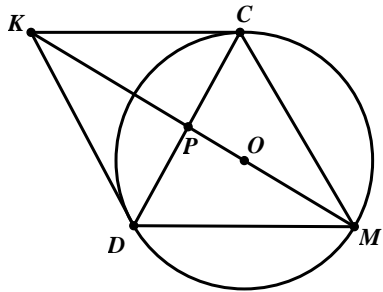


7. Complete the Proofs:

a. Given: Parallelogram MCKD

\overline{KC} & \overline{KD} tangent to circle O

Prove: MCKD is a Rhombus



b. Given: Circle P

Chords \overline{AD} & \overline{CE} intersect at B

Prove: $\triangle CBA \sim \triangle DBE$

