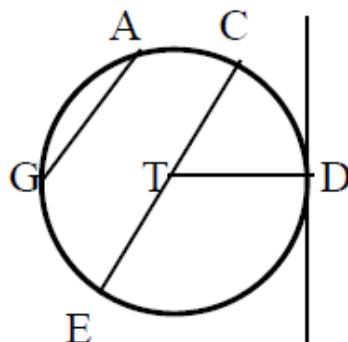


Geometry
Ch. 10 Circles Review

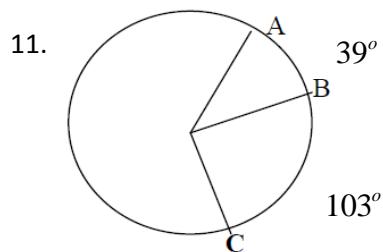
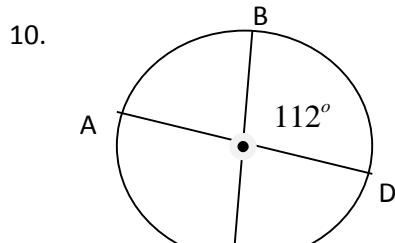
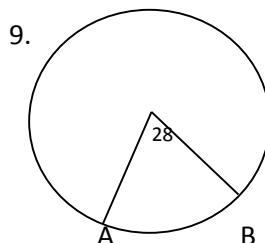
Name _____
Date _____ Period _____

For the following questions, identify the part in the diagram.

1. A chord _____
2. A diameter _____
3. A central angle _____
4. A radius _____
5. A tangent line _____
6. A minor arc _____
7. A major arc _____
8. A semicircle _____



For the following circles, find the missing measure or measures



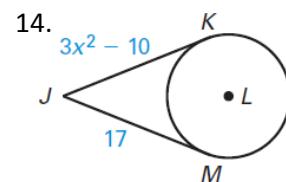
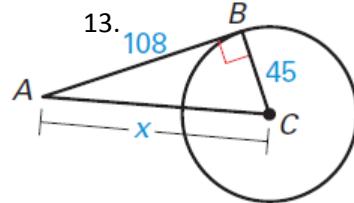
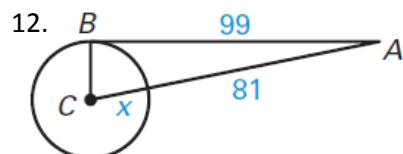
$$m\overarc{AB} =$$

$$m\overarc{AB} =$$

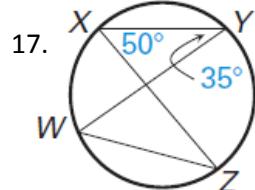
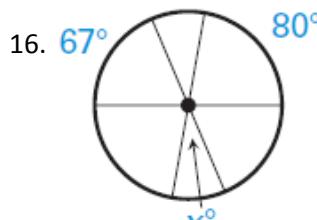
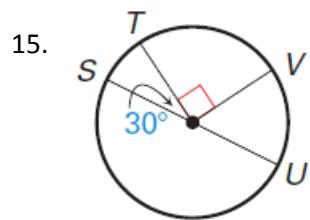
$$m\overarc{ADC} =$$

$$m\overarc{AC} =$$

Using your knowledge of circles, solve for x.



Solve for the indicated arc measure or angle.



$$m\overarc{TU} =$$

$$x =$$

$$m\overarc{XW} =$$

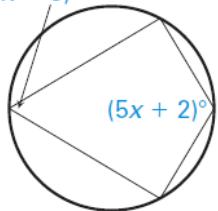
$$\angle XZW =$$

$$m\overarc{YZ} =$$

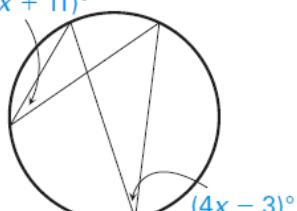
$$m\overarc{XY} =$$

Solve for the indicated arc measure or angle

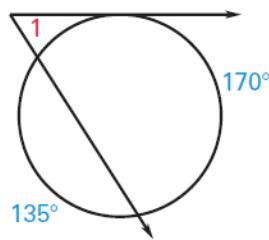
18. $(3x - 8)^\circ$



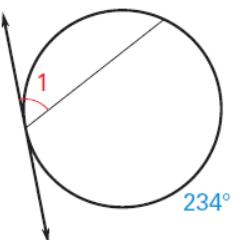
19. $(2x + 11)^\circ$



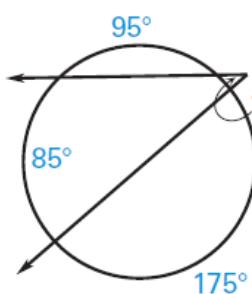
20.



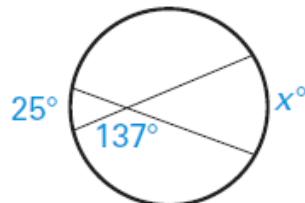
21.



22.

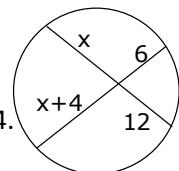


23.

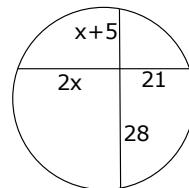


Find the value of x in the figures below.

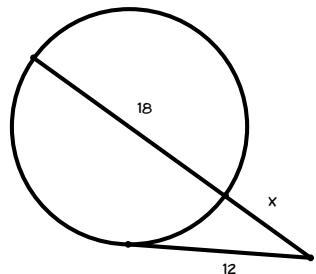
24.



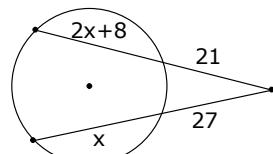
25.



26.



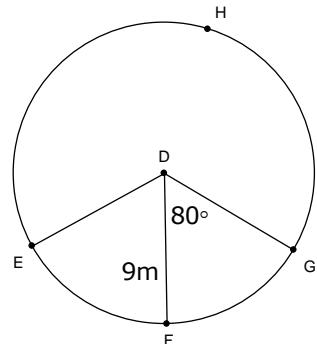
27.



28. In Circle D, $\angle EDF \cong \angle FDG$. Find the indicated measures.

a. Circumference of circle D

b. Arc length of $\overset{\frown}{EFG}$



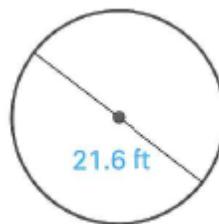
29. What is the degree measure of an arc of a circle with a radius of 4 cm and an arc length of 3π cm?

Find the circumference.



30.

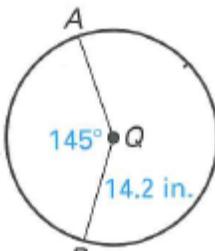
$$r = 5.7\text{ cm}$$



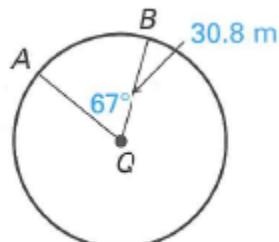
31.

$$21.6 \text{ ft}$$

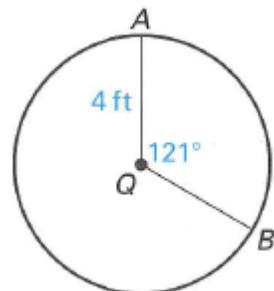
Find the length of $\overset{\frown}{AB}$.



31



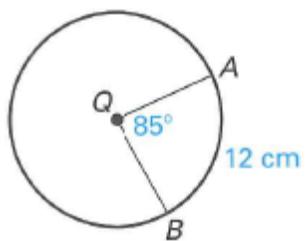
32.



33.

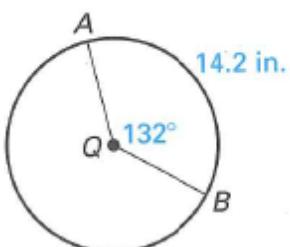
Find the indicated measure.

Circumference of $\odot Q$



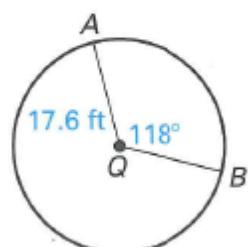
34.

Radius of $\odot Q$



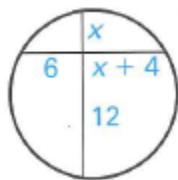
35.

Length of \widehat{AB}

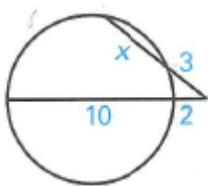


36.

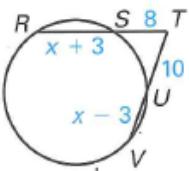
Find the value of x .



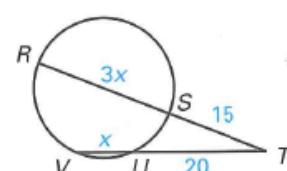
37.



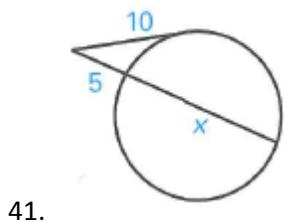
38.



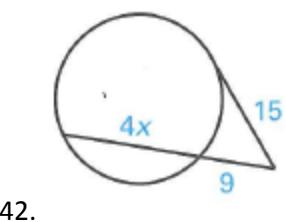
39.



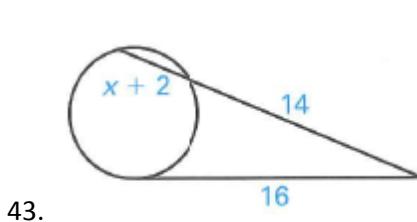
40.



41.



42.



43.