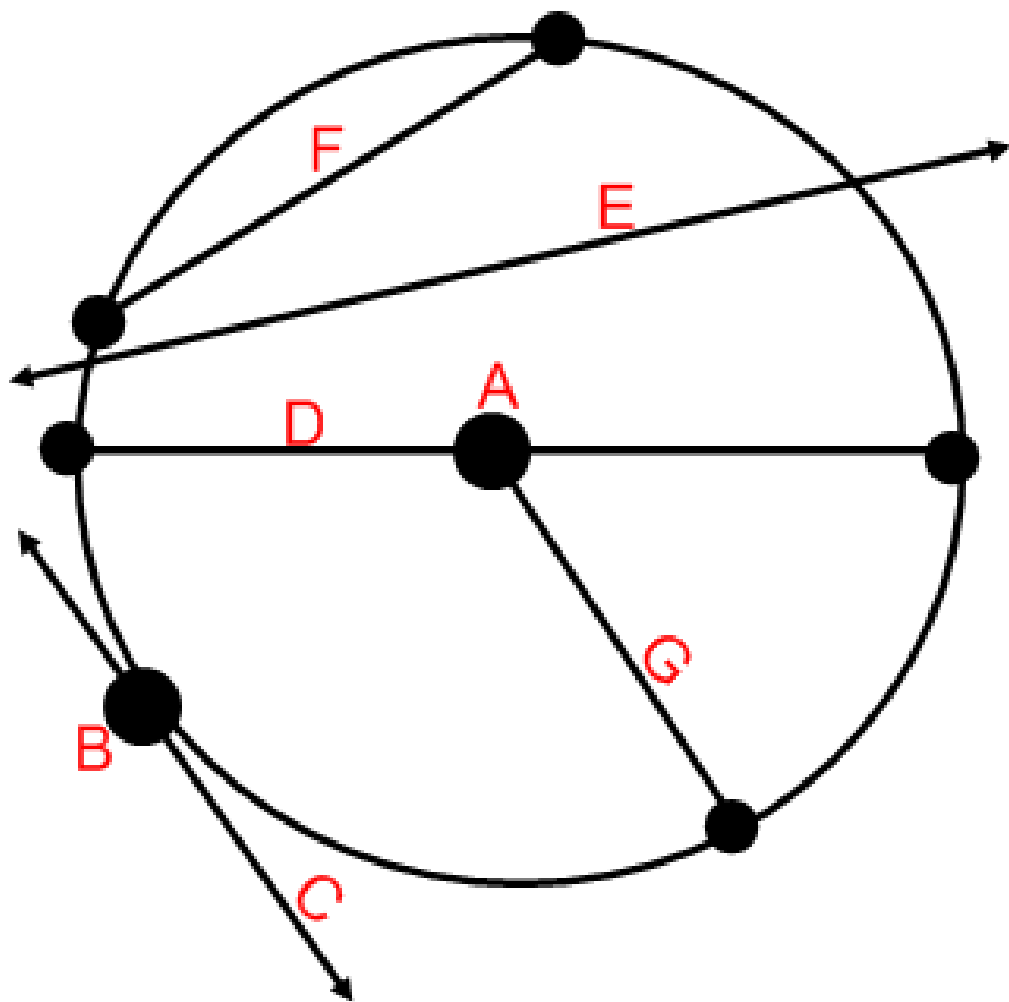


CHAPTER 10
REVIEW:
CIRCLES

10.1 CIRCLES AND CIRCUMFERENCE



Identify the parts of a circle

1A. _____

2B. _____

3C. _____

4D. _____

5E. _____

6F. _____

7G. _____

Find the missing measures:

$$r = 7$$

$$C = 26\pi$$

$$d = 26.8$$

$$8. d = \underline{\hspace{2cm}}$$

$$10. d = \underline{\hspace{2cm}}$$

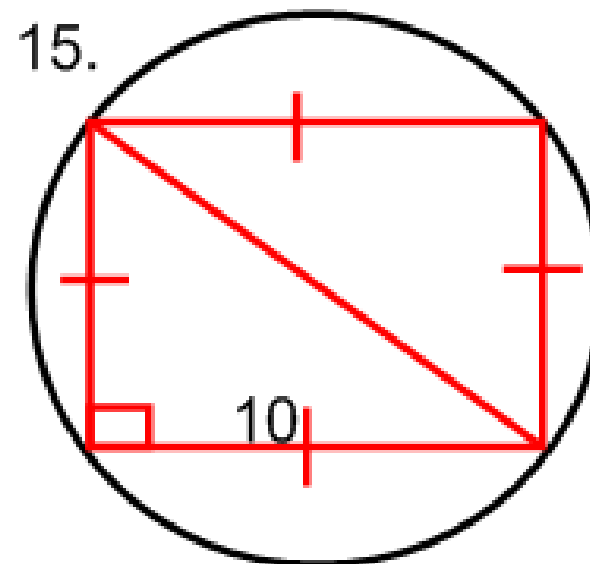
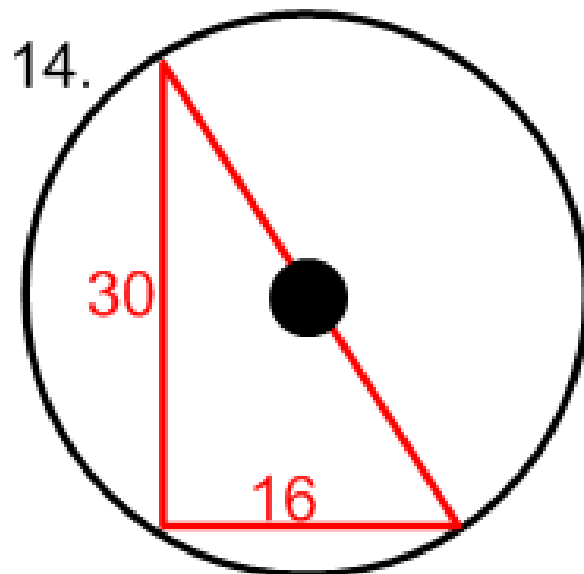
$$12. r = \underline{\hspace{2cm}}$$

$$9. C = \underline{\hspace{2cm}}$$

$$11. r = \underline{\hspace{2cm}}$$

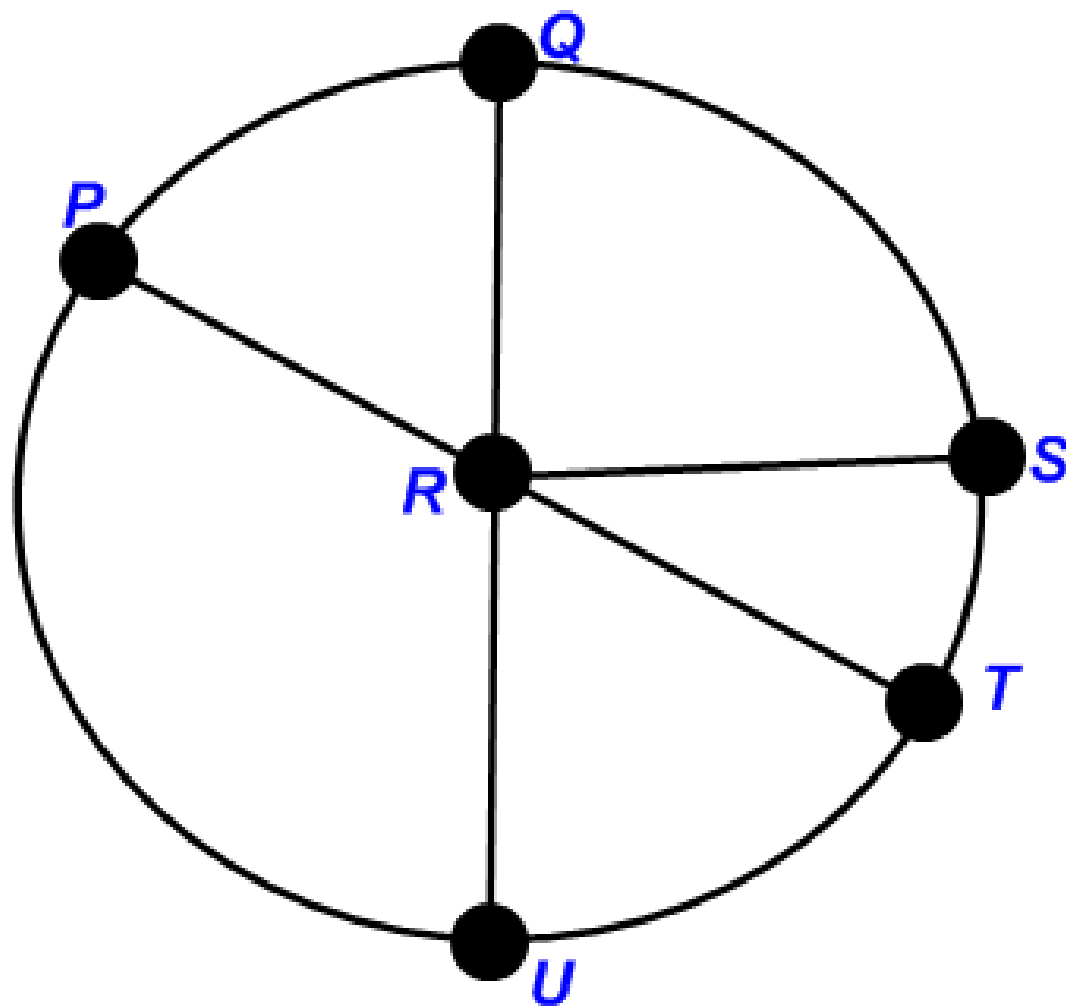
$$13. C = \underline{\hspace{2cm}}$$

Find the exact circumference:



10.2 Measuring Angles and Arcs

Determine whether the arc is a *minor arc*, *major arc*, or a *semicircle*.



16. \widehat{PQ} _____

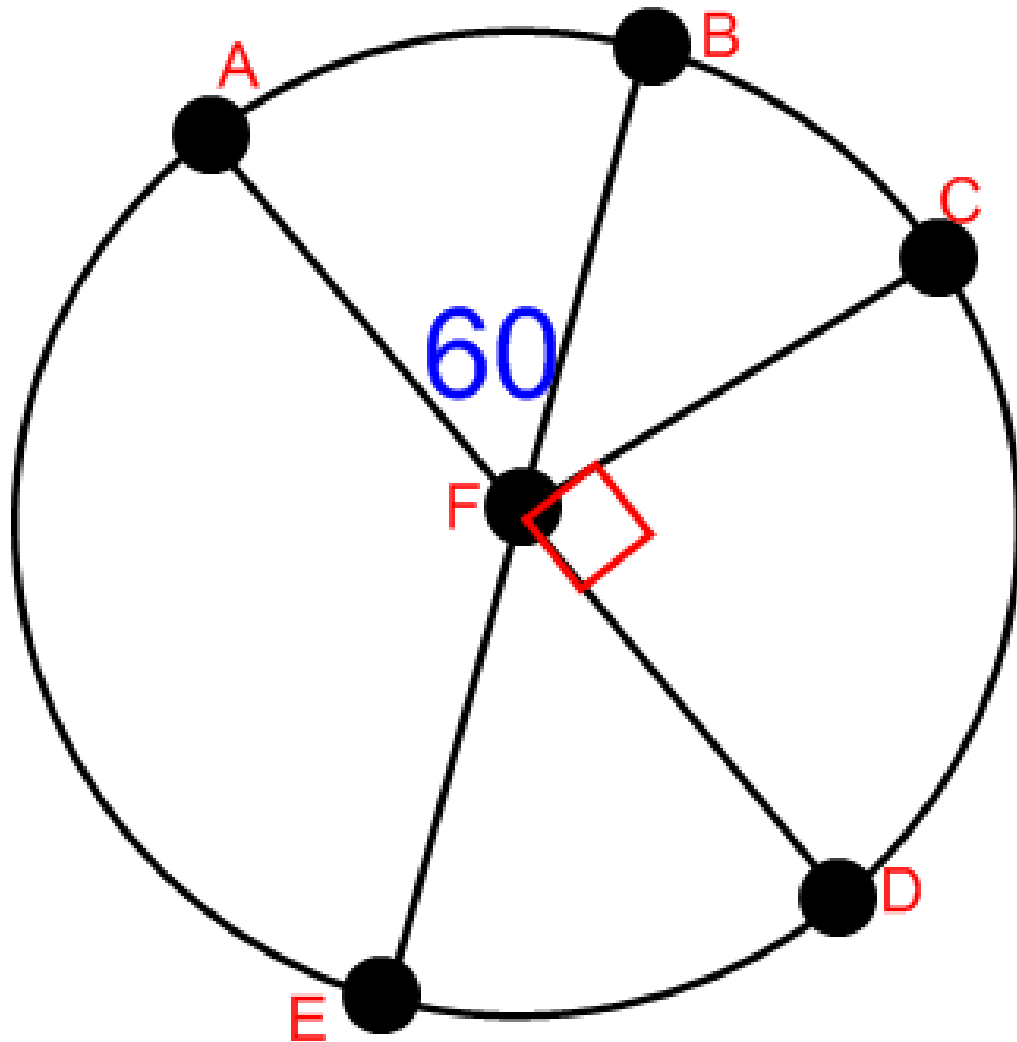
17. \widehat{PQT} _____

18. \widehat{QUT} _____

19. \widehat{QT} _____

20. \widehat{TUP} _____

Find each measure:



21. $m\angle CFB$ _____

22. $m\angle EFA$ _____

23. $m\angle DFA$ _____

24. $m\angle CFD$ _____

25. $m \widehat{AE}$ _____

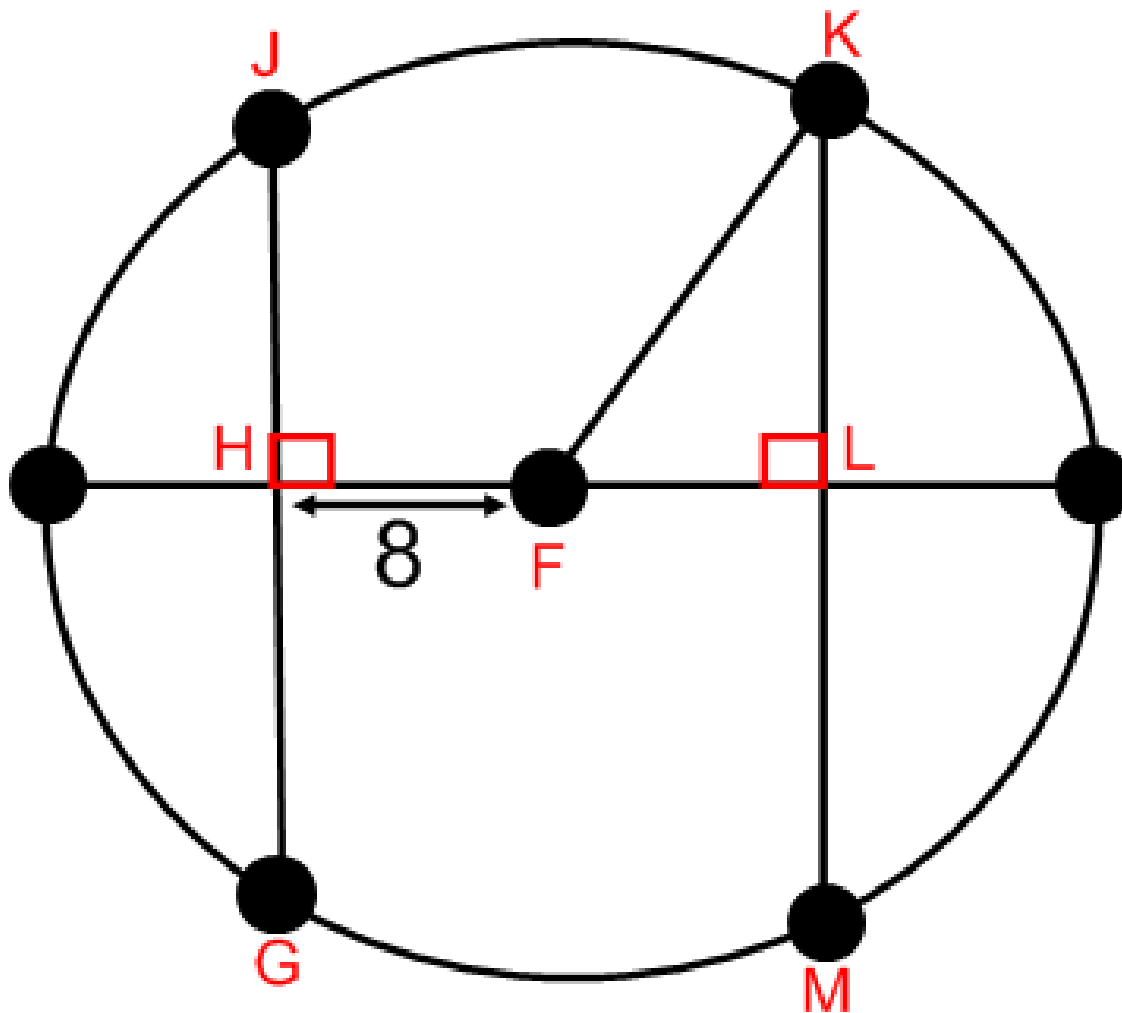
26. $m \widehat{ABE}$ _____

27. $m \widehat{DB}$ _____

10.3 Arcs and Chords

In circle F, $FH \cong FL$ and $FK = 17$.

Find each measure



28. LK _____

29. KM _____

30. JG _____

31. JH _____

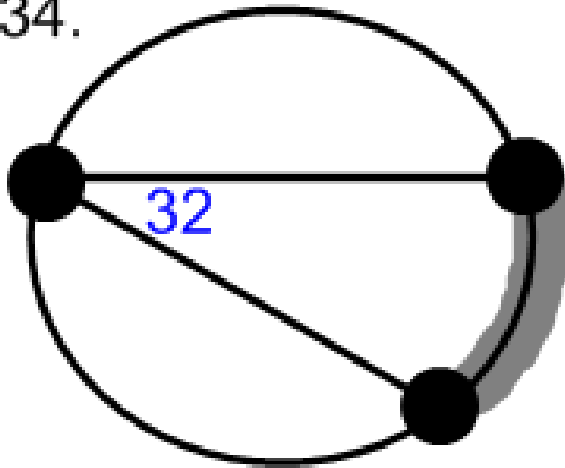
32. FL _____

33. KF _____

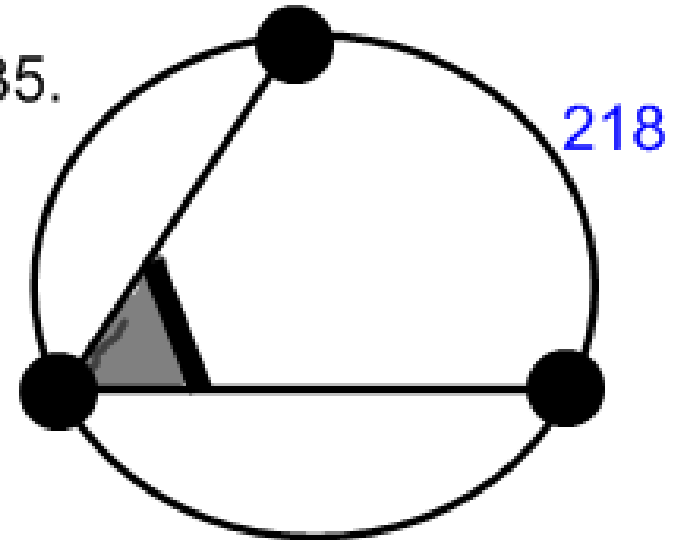
10.4 Inscribed Angles

Find the measure of the darkened angle or arc.

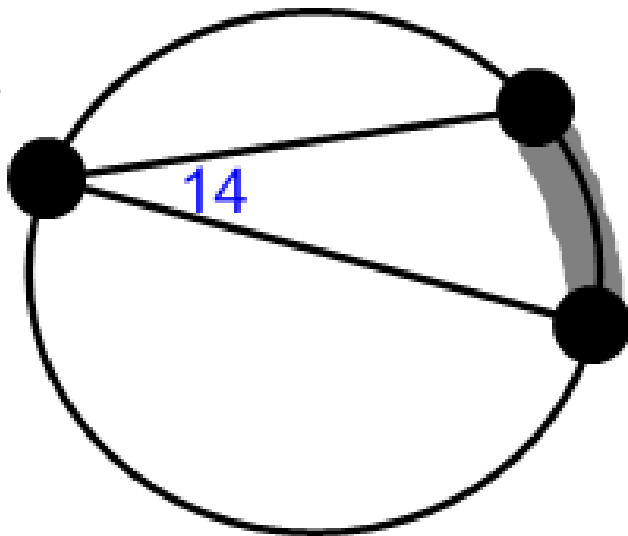
34.



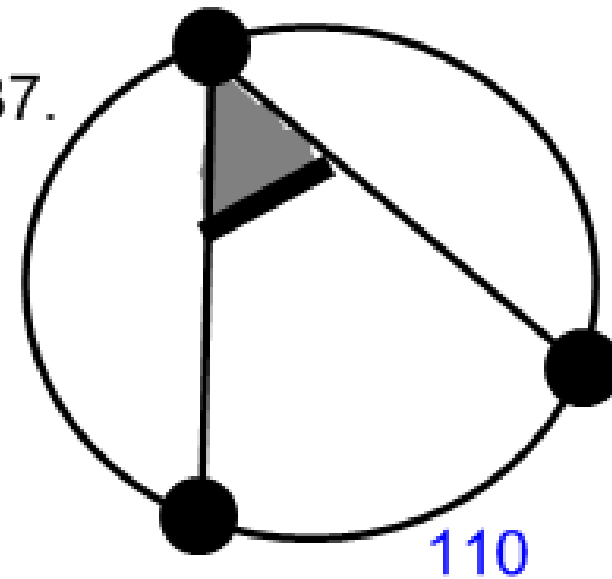
35.



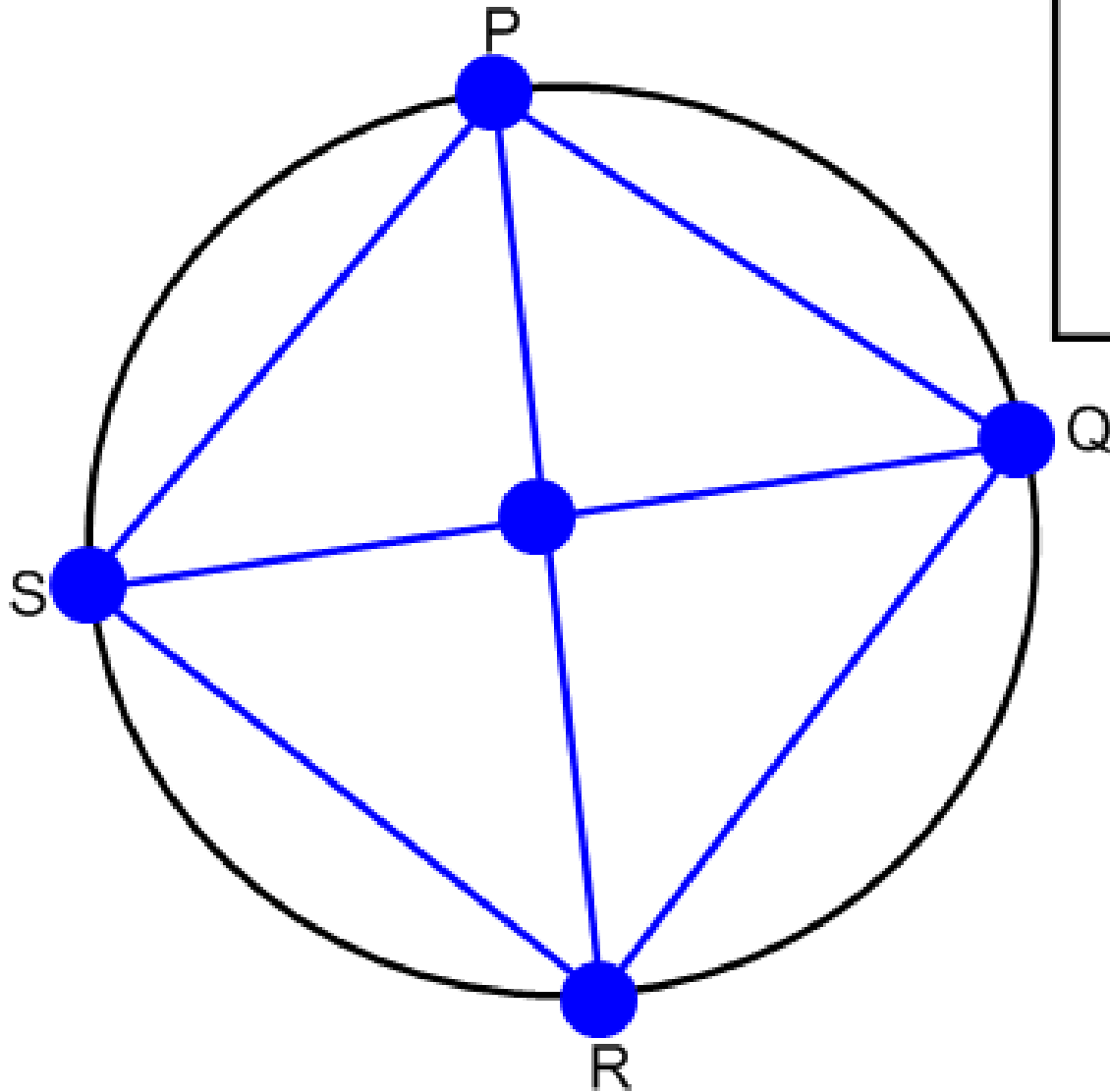
36.



37.



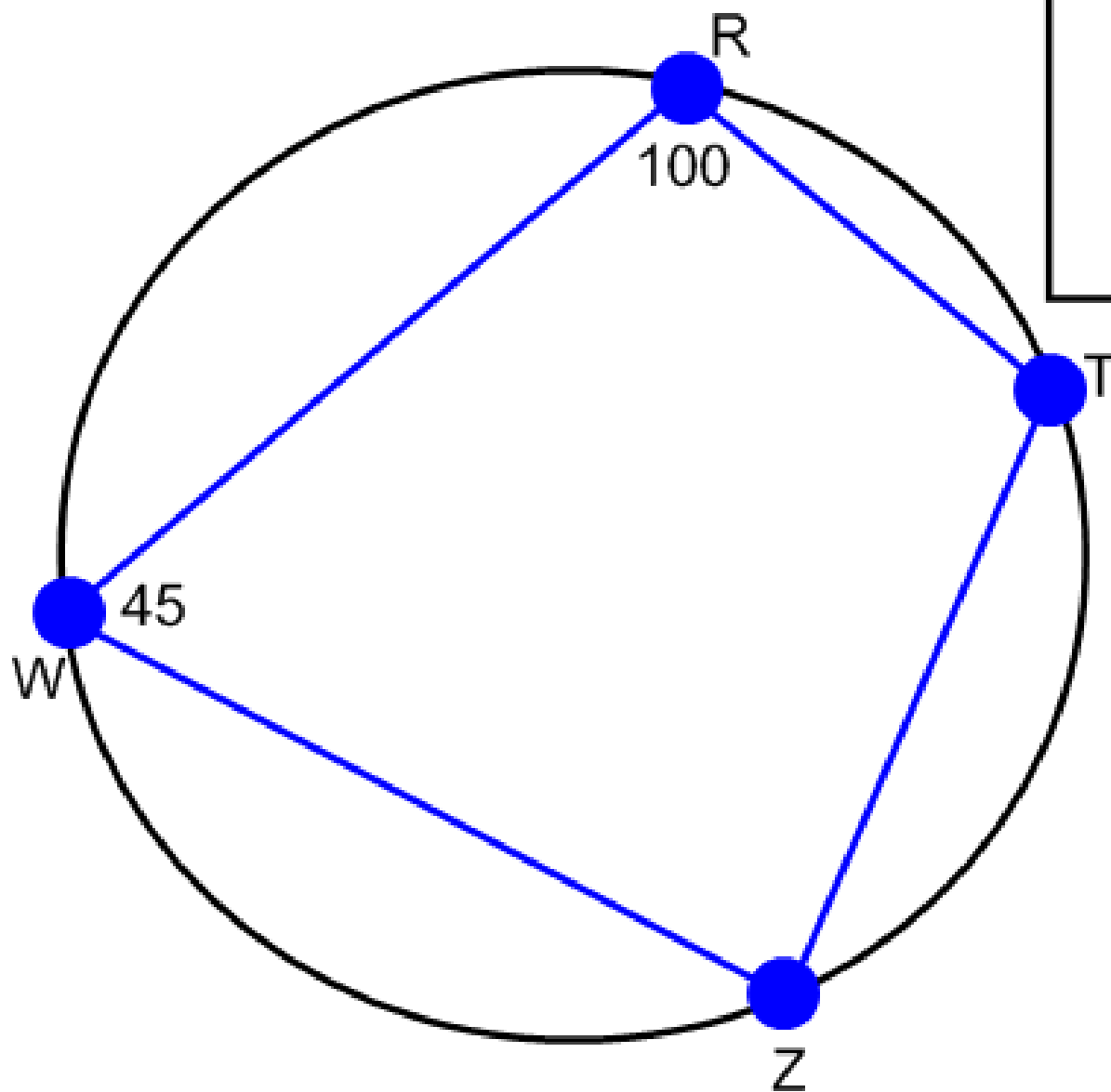
PQRS is a rhombus inscribed in a circle.
Find $m\angle QRP$ and $m\widehat{SP}$.



38. $m\angle QRP$ _____

39. $m\widehat{SP}$ _____

Quadrilateral WRTZ is inscribed in a circle.
Find $m\angle T$ and $m\angle Z$.

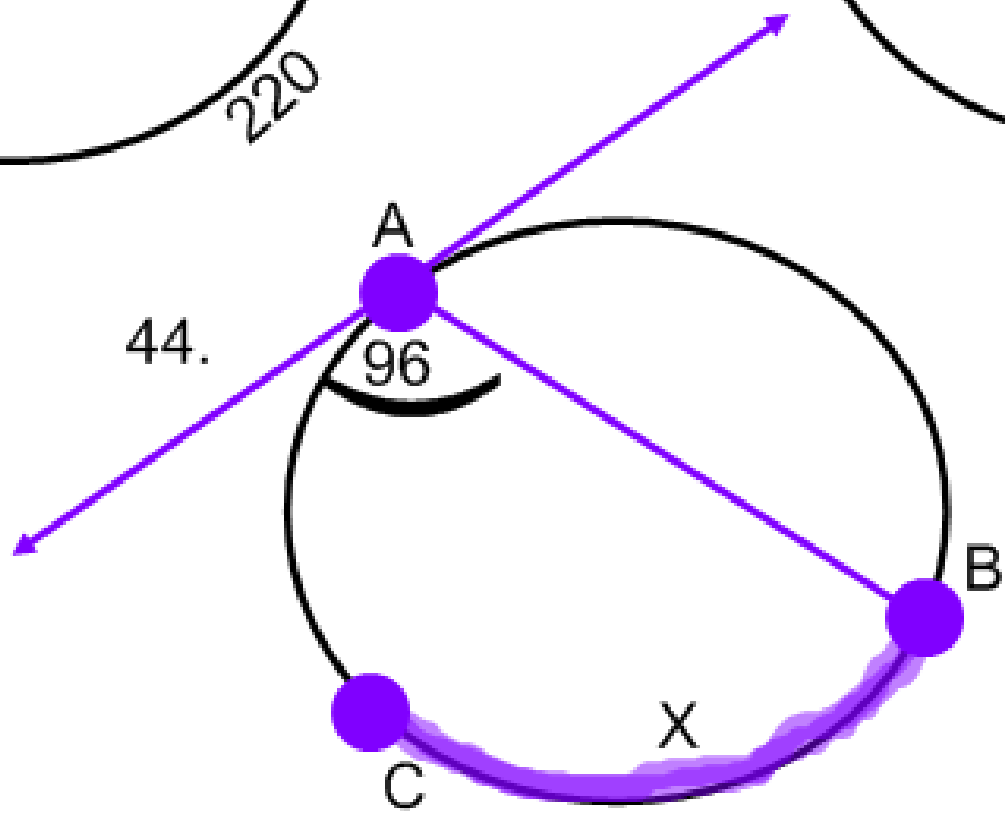
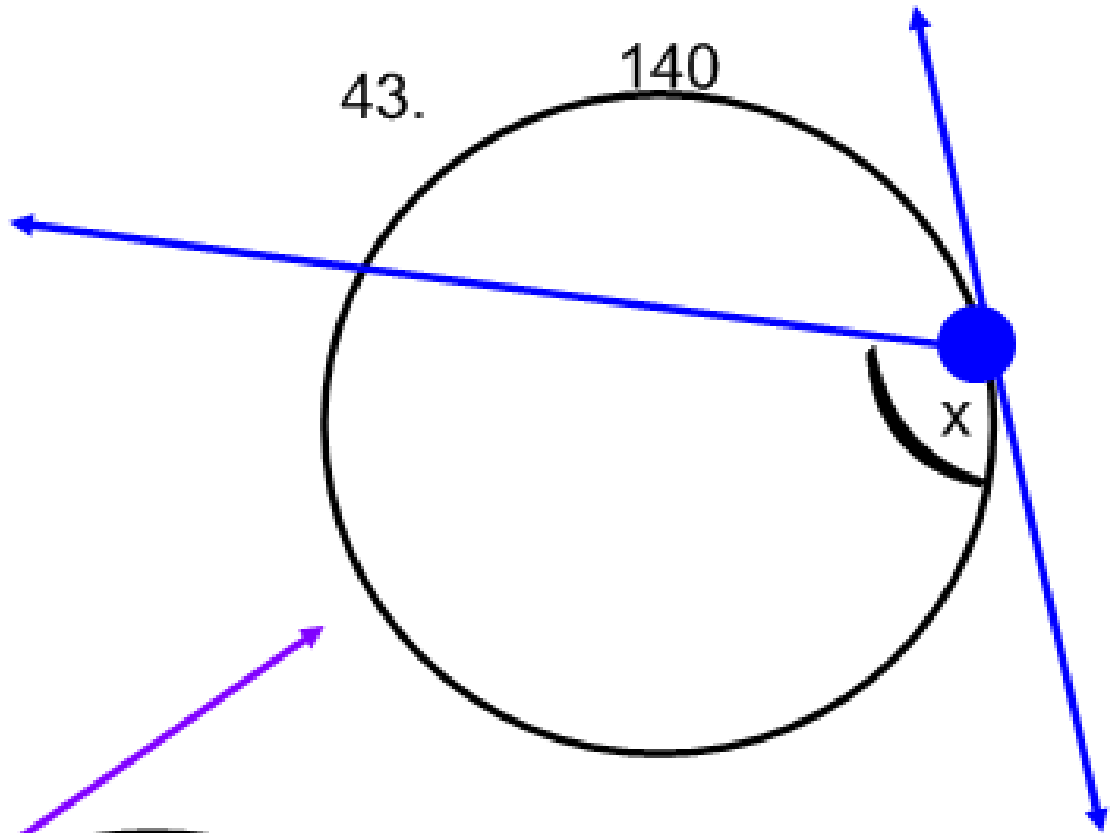
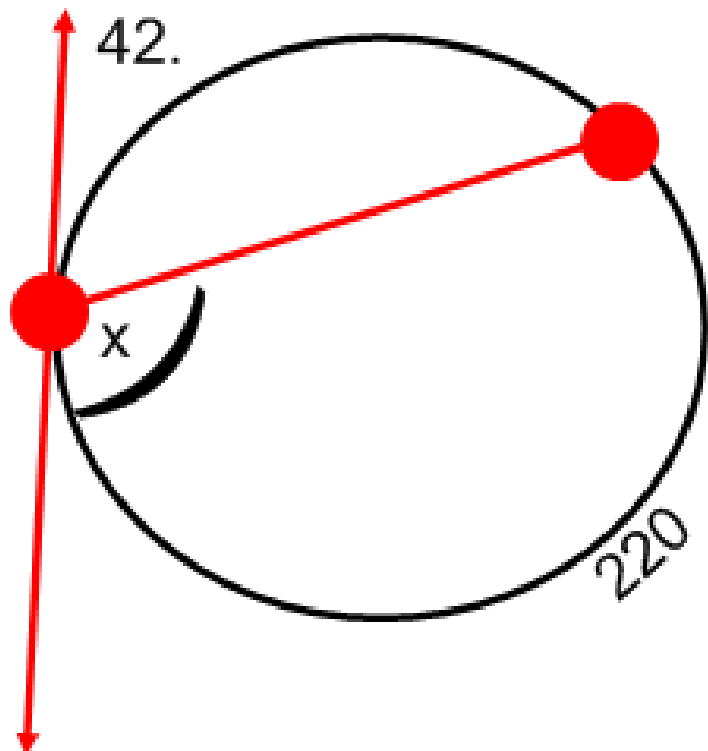


40. $m\angle T$ _____

41. $m\angle Z$ _____

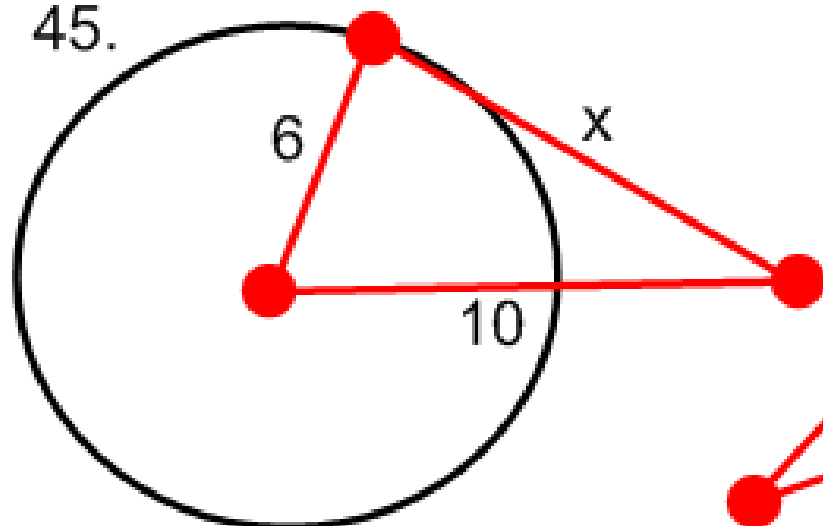
10.5 Tangents

Find the missing measure:

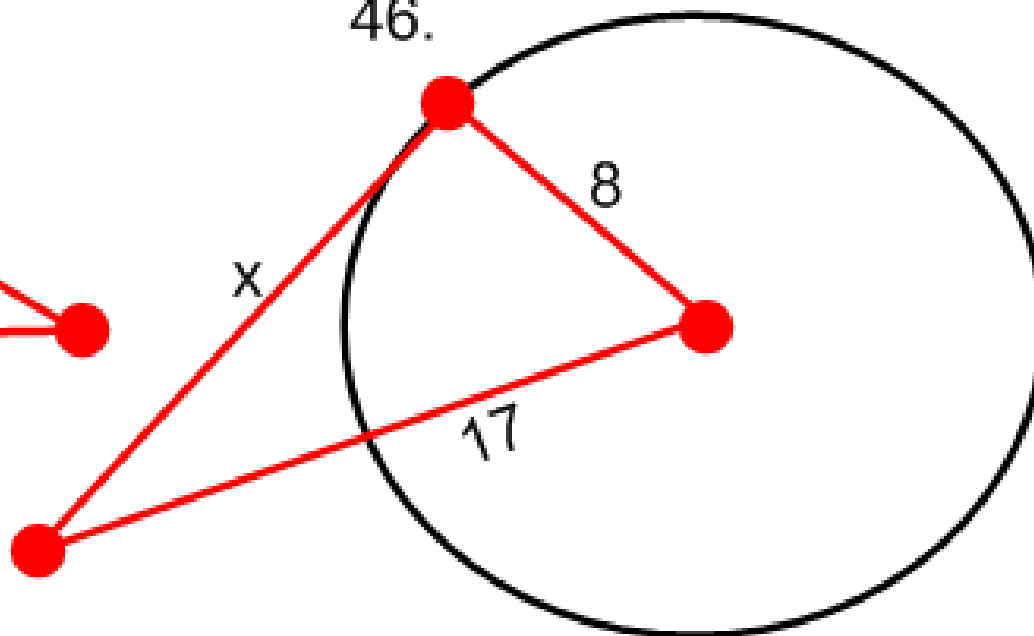


Find x

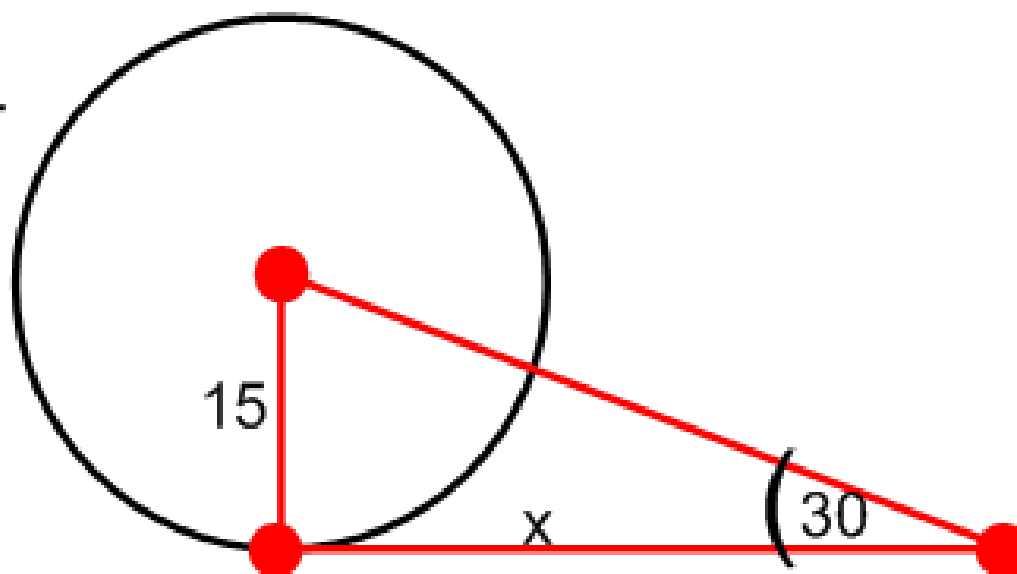
45.



46.

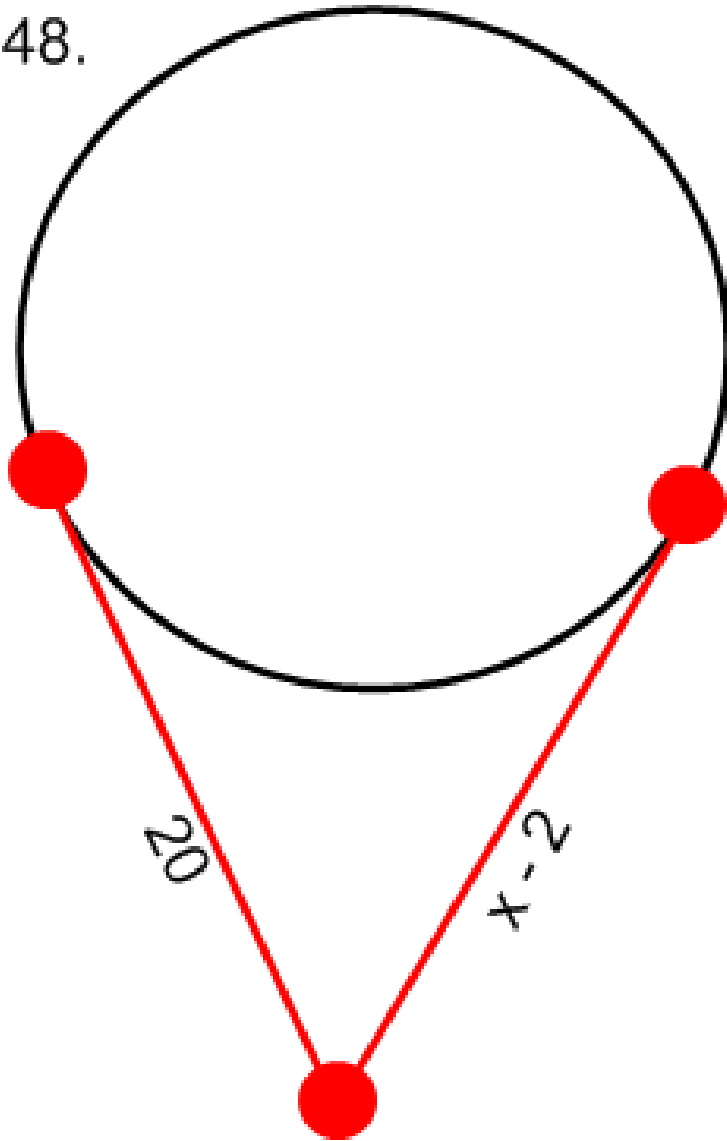


47.

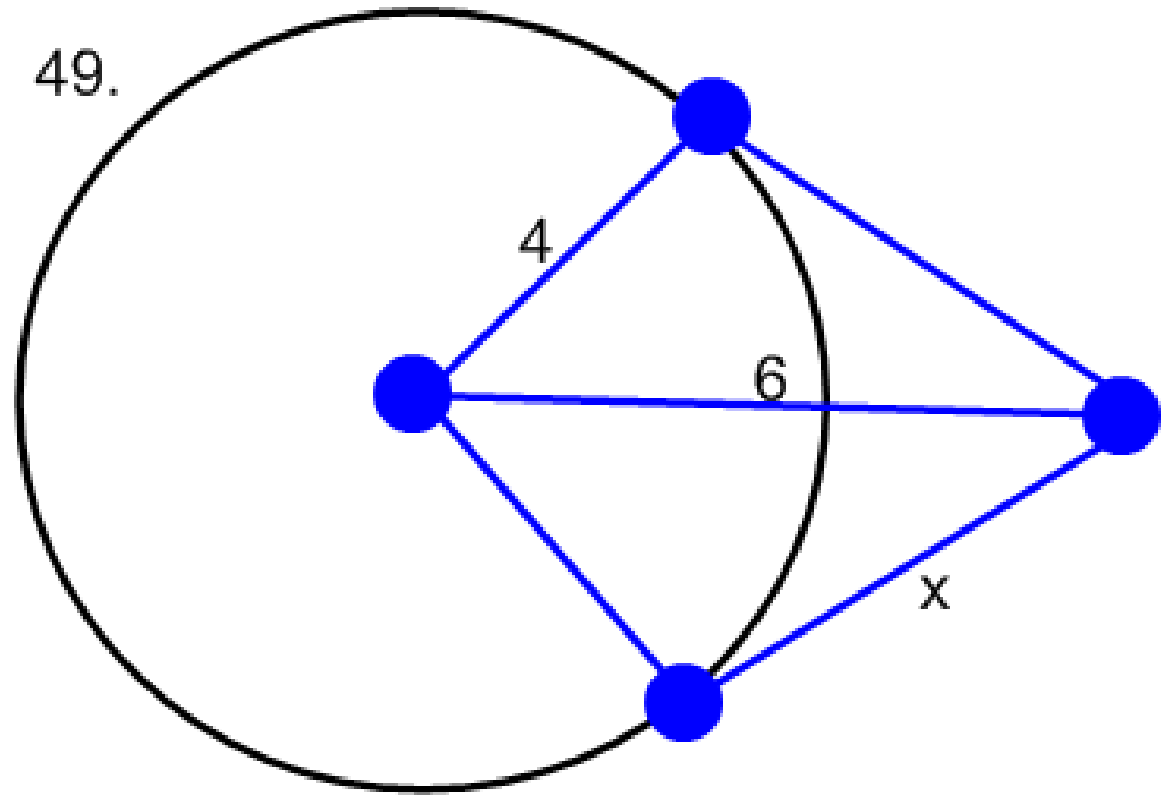


Find x

48.

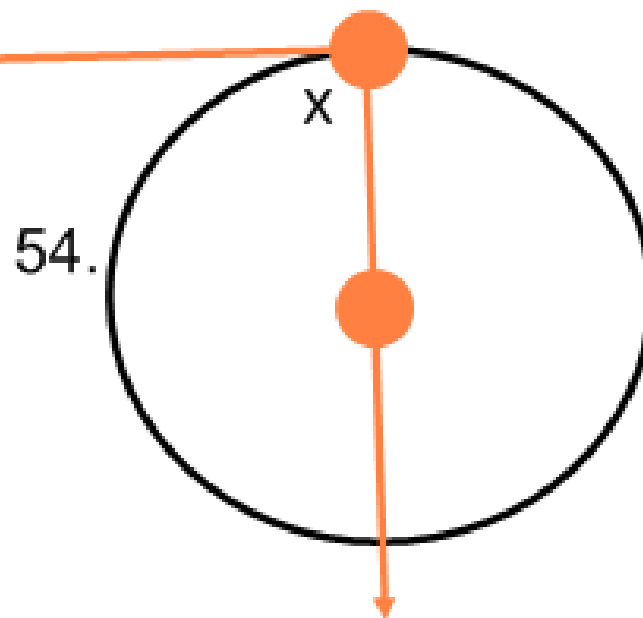
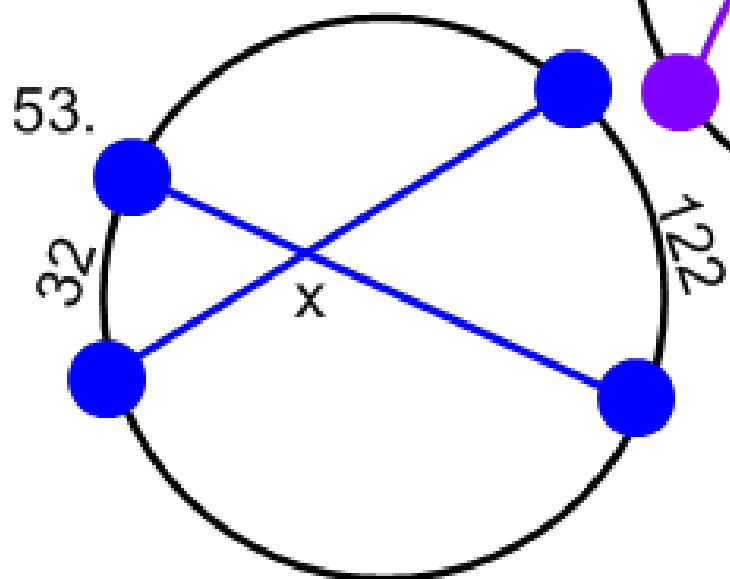
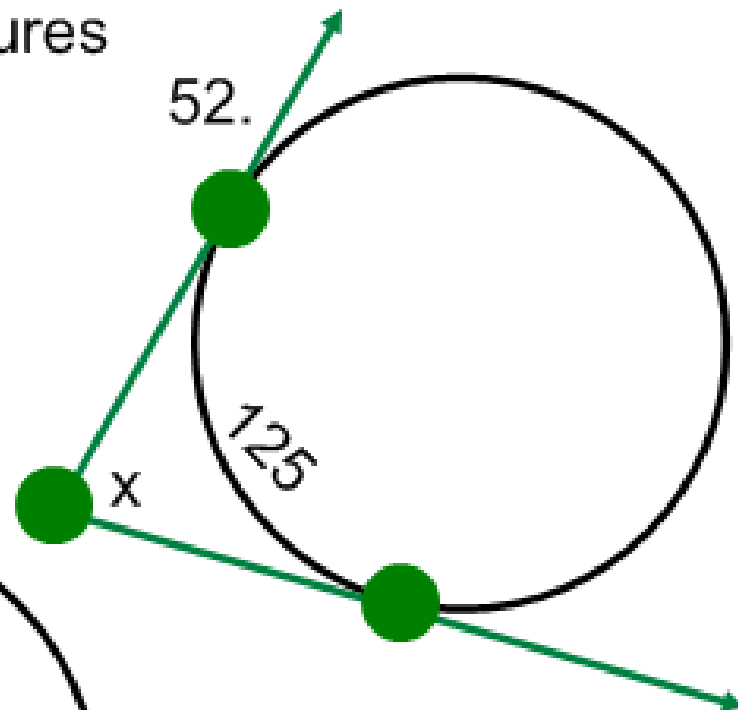
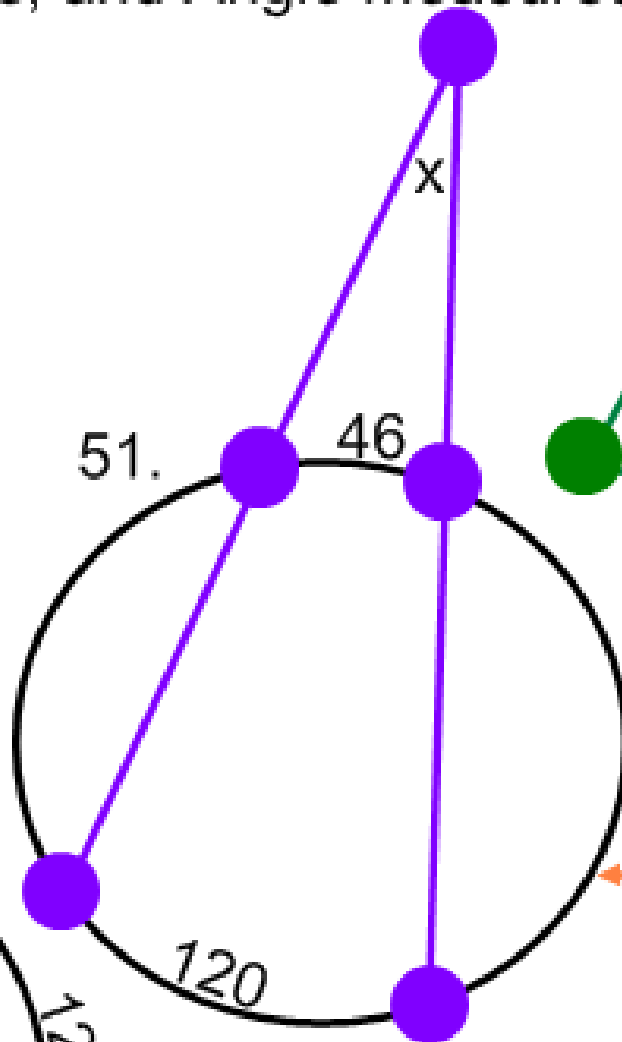
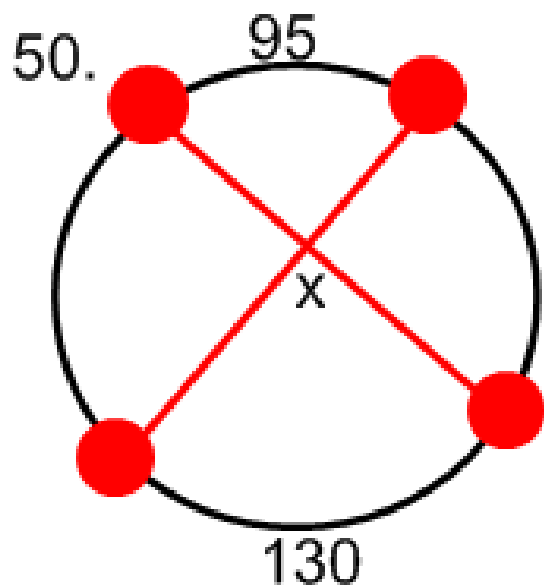


49.

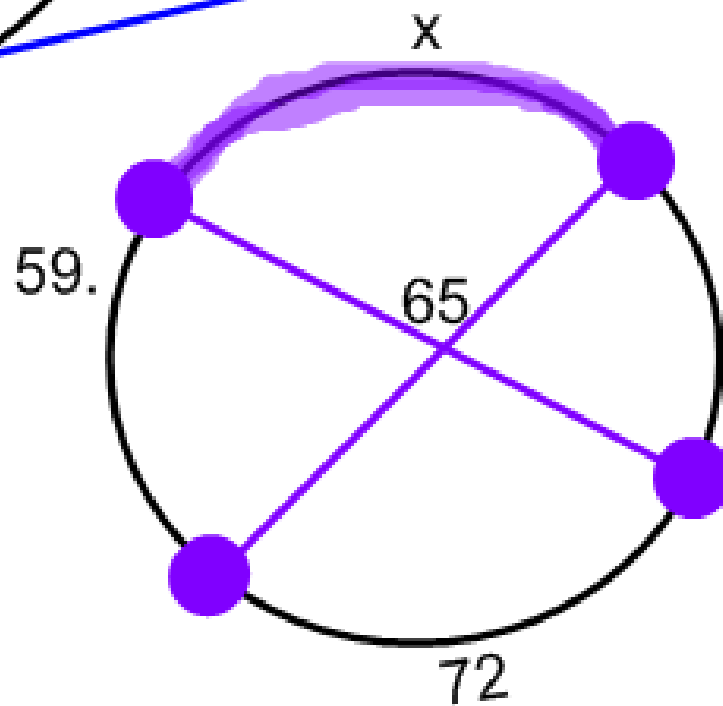
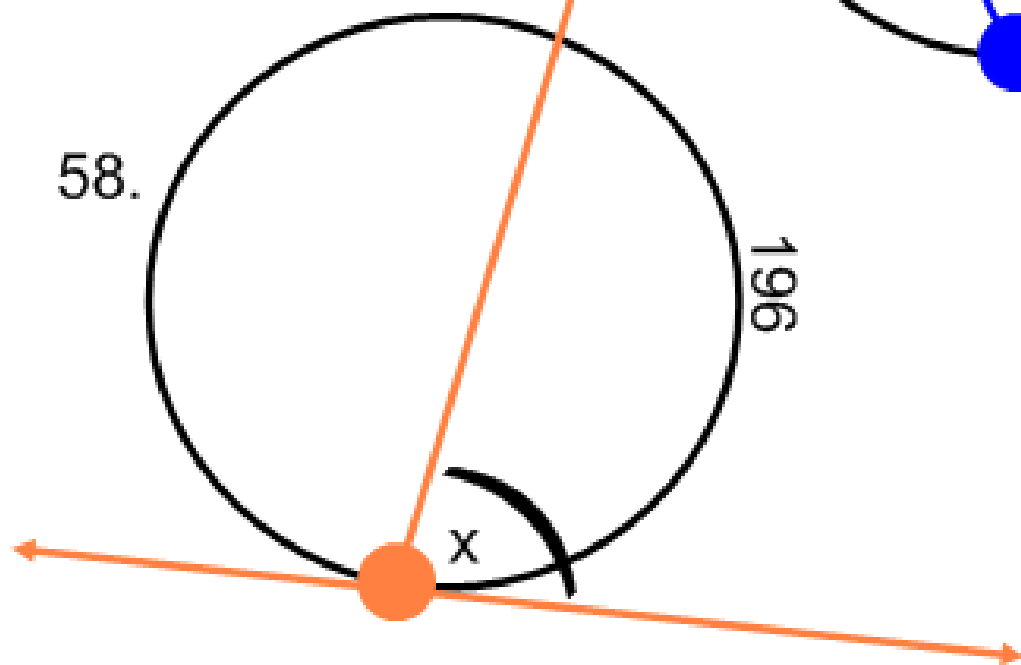
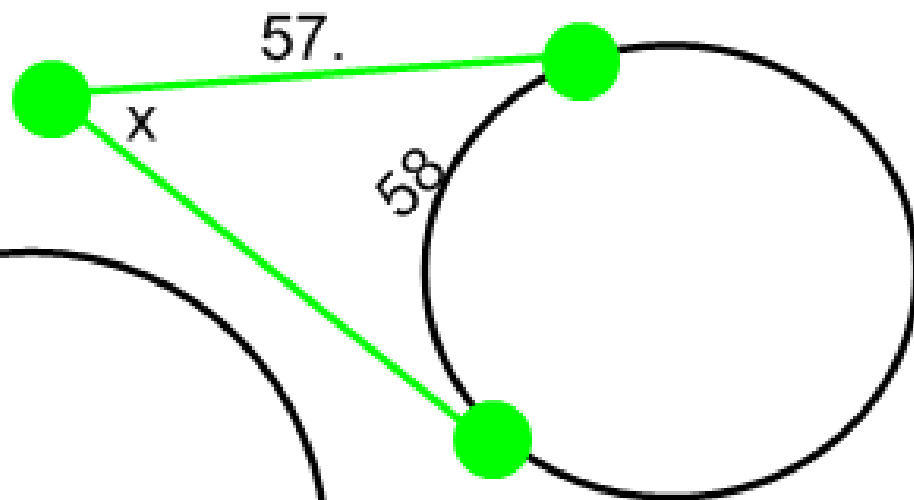
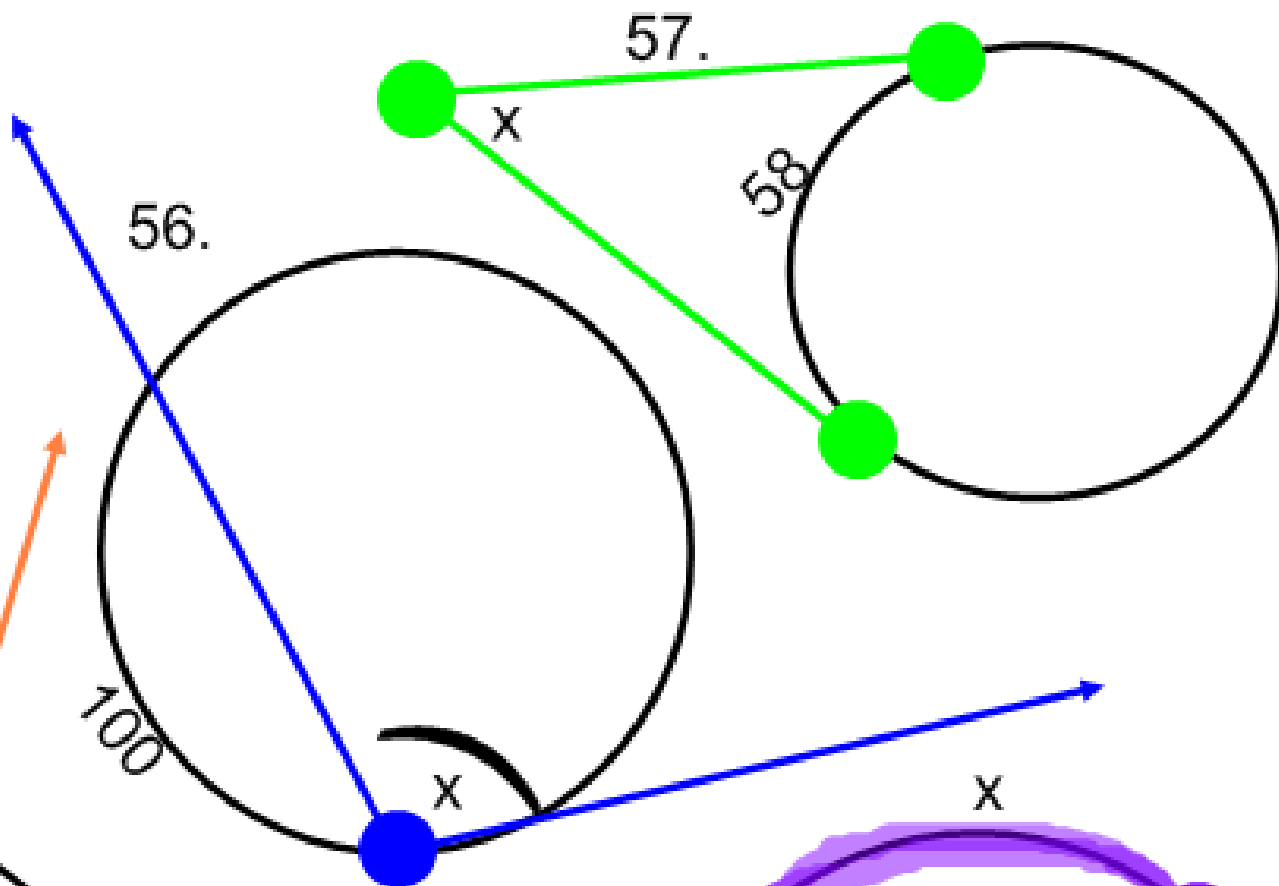
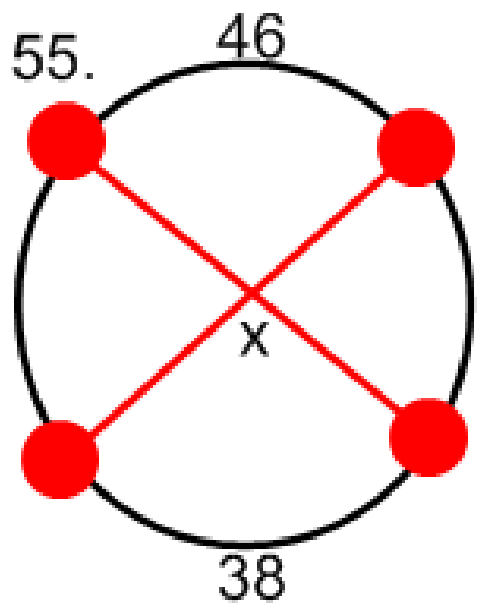


10.6 Secants, Tangents, and Angle Measures

Find x

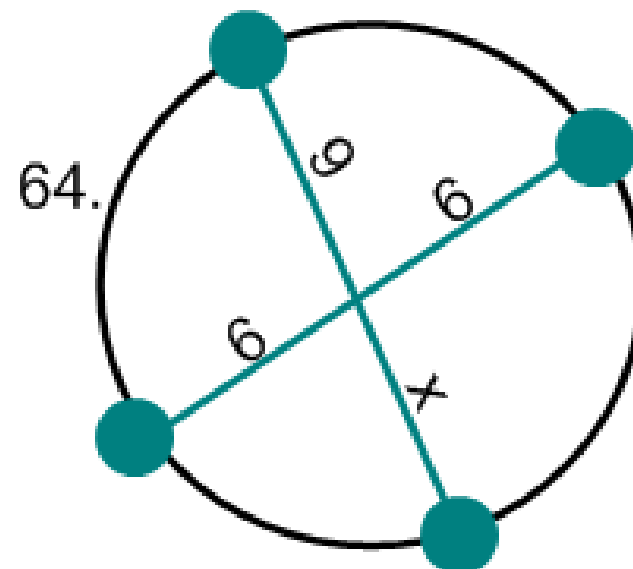
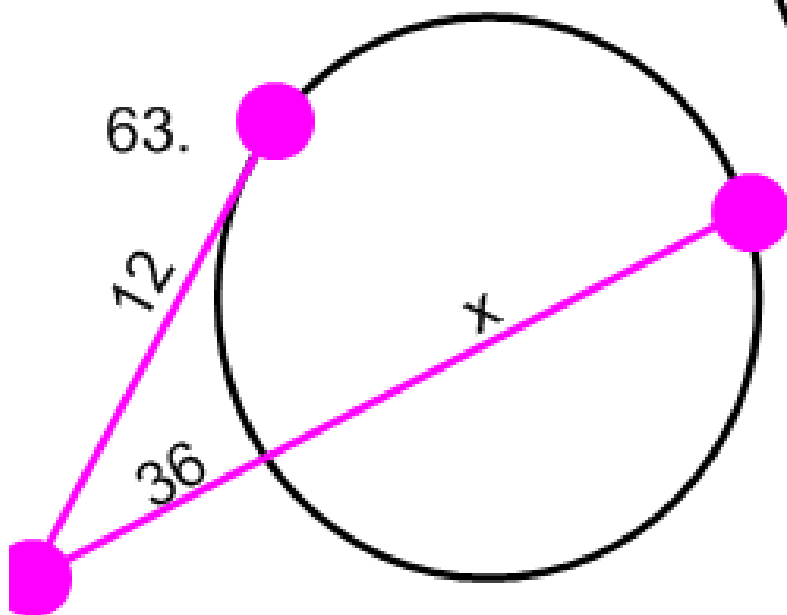
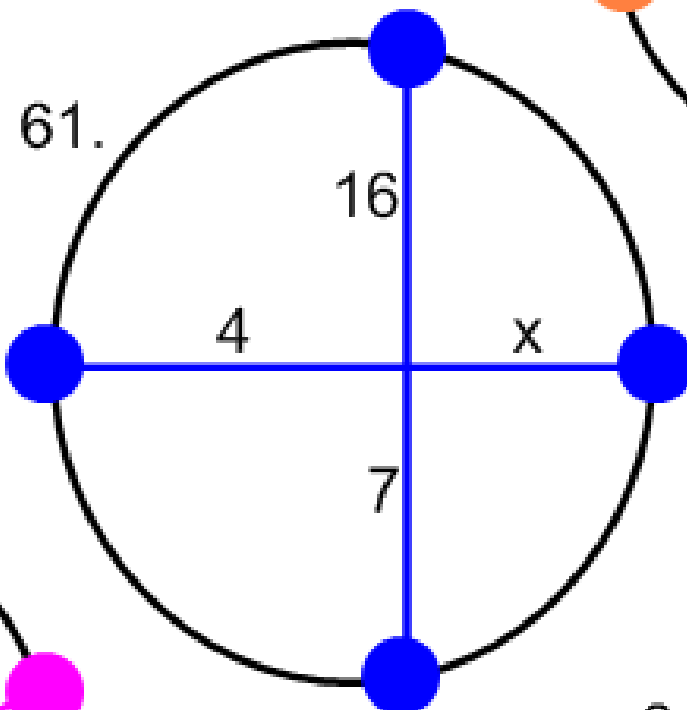
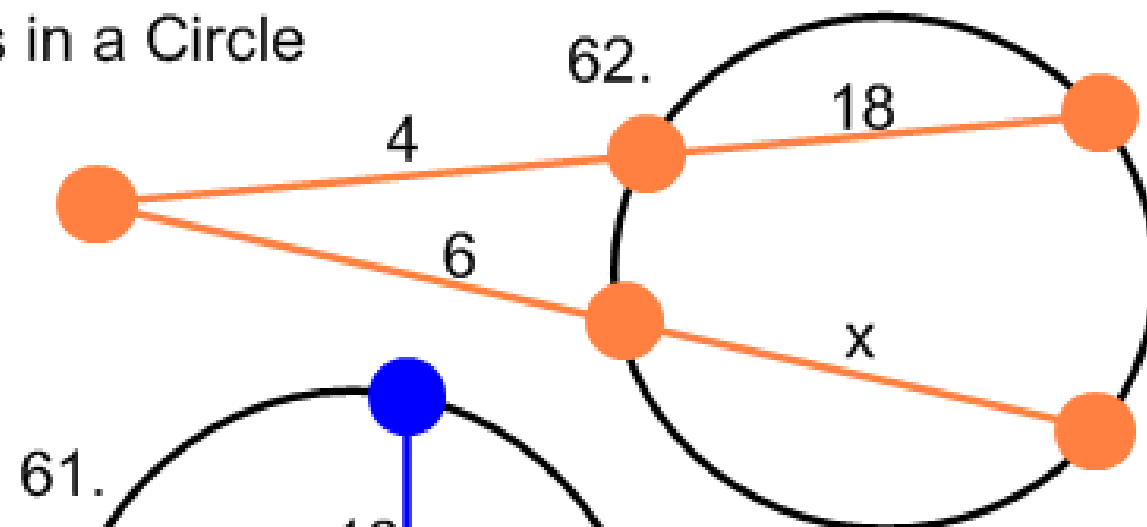
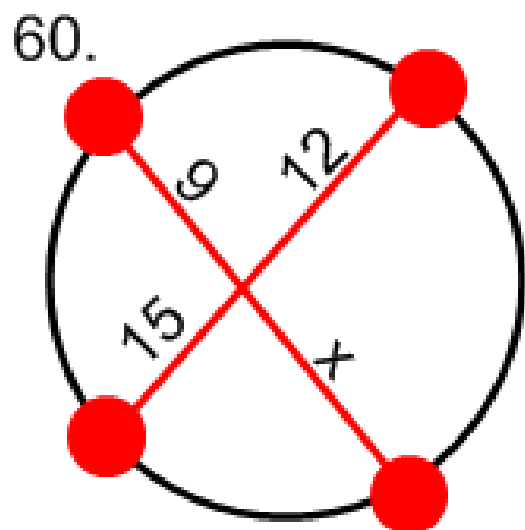


Find x



10.7 Special Segments in a Circle

Find x



10.8 Equations of Circles

65. $(x - 4)^2 + (y - 3)^2 = 16$

center: _____

radius: _____

66. $(x + 2)^2 + (y - 5)^2 = 36$

center: _____

radius: _____

67. center $(-1, -3)$, radius = 6

write an equation: _____

68. center $(3, -2)$, diameter = 6

write an equation: _____

**STUDY
YOUR VOCABULARY
WORDS AND DEFINITIONS**