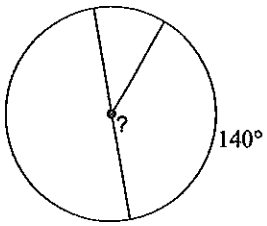
CCSS Geometry Name_____ ID: 1

G6 C Level Test Review

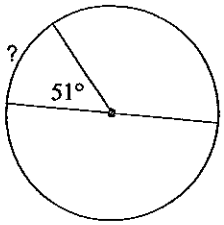
Date_____ Period____

Find the measure of the arc or central angle indicated.

1)

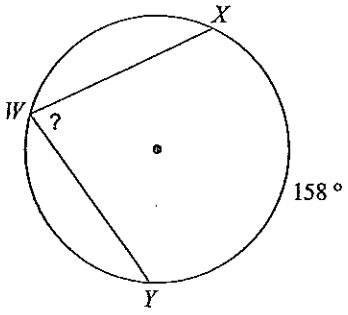


2)



Find the measure of the arc or angle indicated.

3)



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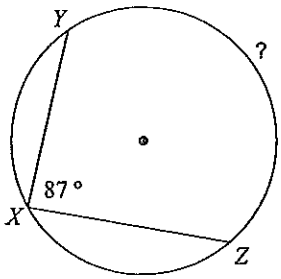
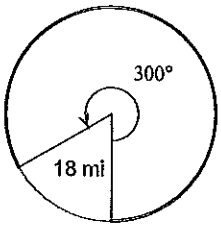


Find the length of each arc. Round your answers to the nearest hundredth.

5)



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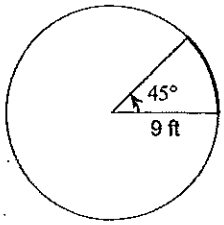

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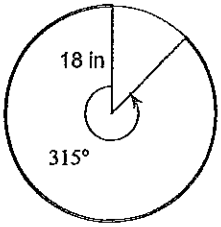

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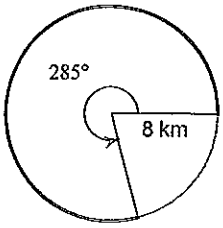
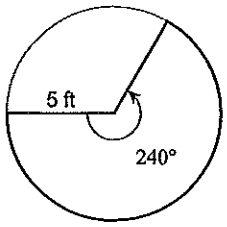
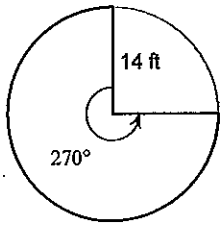


Find the area of each sector. Round your answers to the nearest hundredth.

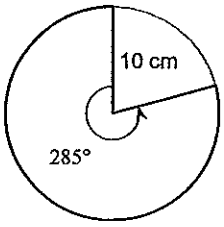
9)



10)



11)



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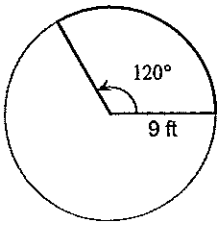
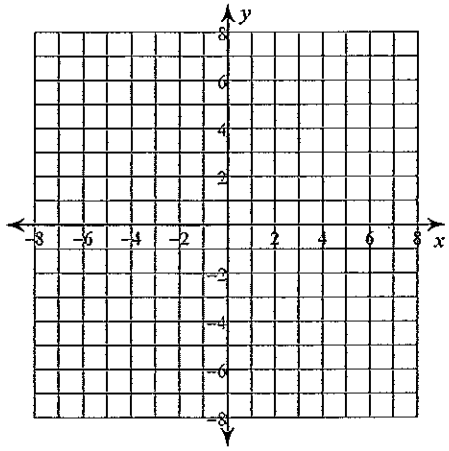
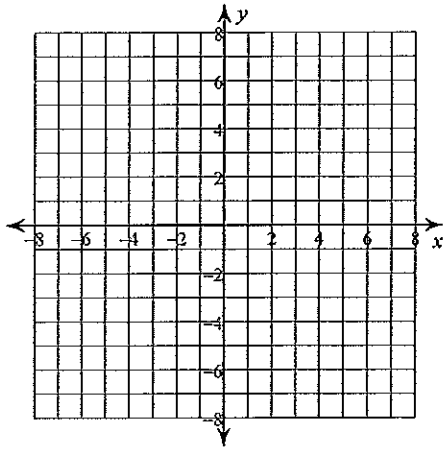


Identify the center and radius of each. Then sketch the graph.

13) $(x-3)^2+(y-1)^2=9$



14) $(x-3)^2+y^2=4$



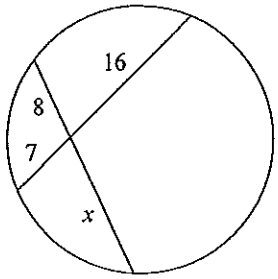
Use the information provided to write the equation of each circle.

15) Center: $(-13, 12)$
Radius: 6

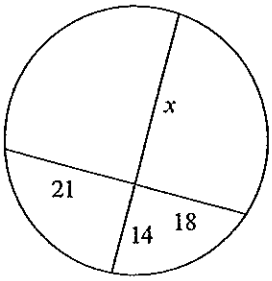
16) Center: $(4, 5)$
Radius: 5

Solve for x. Assume that lines which appear tangent are tangent.

17)



18)



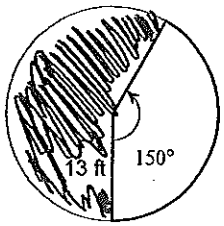
CCSS Geometry Name_____ ID: 1

G6 B Level Test Review

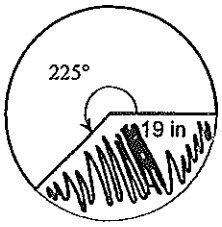
Date_____ Period____

Find the arc length AND the area of the sector of the SHADED side. Round your answers to the nearest hundredth.

1)



2)



Find the area of each. Use your calculator's value of π. Round your answer to the nearest tenth.

3) circumference = 50.3 m

Find the diameter of each circle. Use your calculator's value of π. Round your answer to the nearest tenth.

4) area = 295.6 ft²

Identify the center and radius of each. Then sketch the graph.

5) $(x-4)^2+(y-4)^2=3$

6) $(x-4)^2+(y+1)^2=7$

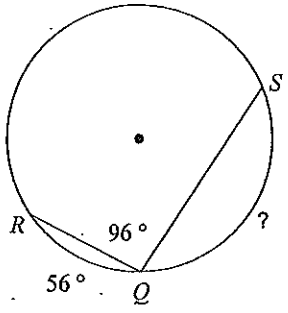
Use the information provided to write the equation of each circle.

7) Ends of a diameter: $(-15, -8)$ and $(-9, -12)$

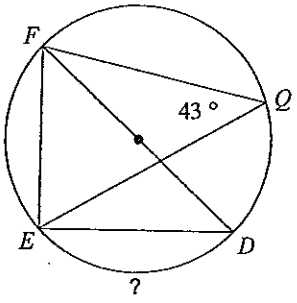
8) Center: $(13, 11)$
Point on Circle: $(7, 11)$

Find the measure of the arc or angle indicated.

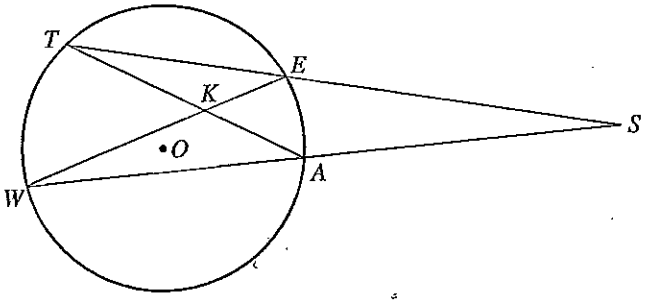
9)



10)



In $\odot O$, $m\widehat{WT} = 86°$ and $m\widehat{EA} = 62°$.



21. Find $m\angle EWA$.

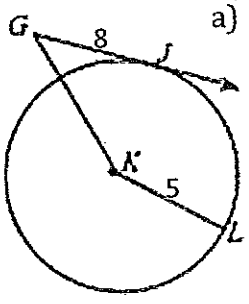
22. Find $m\angle WET$.

23. Find $m\angle WES$.

24. Find $m\angle WST$.

10. GJ is tangent to circle K, $JG = 8$ and $KL = 5$

a) Find the length of KG.



b) Find the measure of $\angle JGK$

11. Put the general form of this circle into standard form (center-radius form).

$$x^2 - 6x + y^2 + 2y + 3 = 0$$