

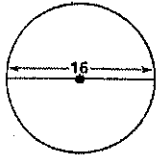
1.7

1. What does "leave your answer in terms of π " mean?

2. When finding area or circumference, what does "round your answer to the nearest tenth" mean?

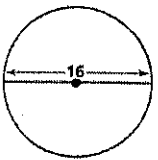
3. Find the circumference.

Round to the nearest tenth:



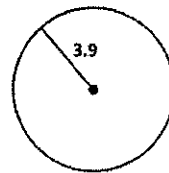
5. Find the area.

Leave your answer in terms of π :



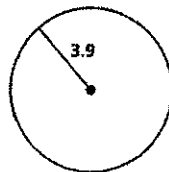
4. Find the circumference.

Leave your answer in terms of π :



6. Find the area.

Round to the nearest tenth:



7.6

7. Find the measure of each arc in $\odot C$.

A. \widehat{AE}

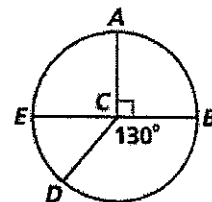
B. \widehat{DBA}

C. \widehat{ABD}

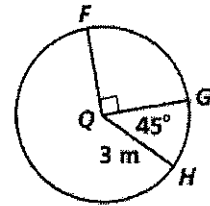
D. \widehat{ED}

E. \widehat{AED}

F. \widehat{BD}



8. Find the length of arc GH . Leave your answer in terms of π

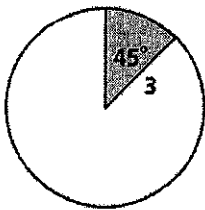


9. Jacob is painting a circular pizza sign for a business. The sign has a diameter of 9 feet. He wants to paint 120° of the crust orange. What is the length of this arc that he wants to paint orange? (Leave your answer in terms of π)

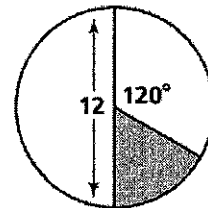
7.7

Find the area of the shaded sector. (Leave your answer in terms of π)

10.



11.

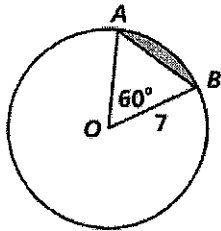


12. Mrs. Byron, Mrs. Harris, and Mrs. Matteo are sharing a 10 in diameter pizza. Mrs. Byron takes a 100° slice, Mrs. Harris takes a 75° slice, and Mrs. Matteo takes a 50° slice. What is the area of each piece of pizza? (Mr. Meerhaeghe comes and takes the remaining 135° !) Round your answers to the nearest tenth.

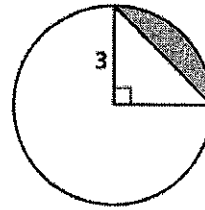
Byron _____ Harris _____ Matteo _____

Find the area of the shaded segment. Round your answers to the nearest tenth.

13.



14.

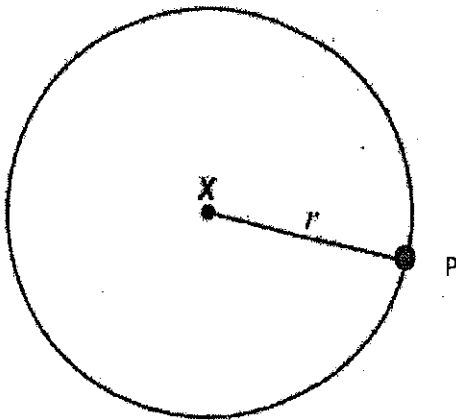


11.1

Review the steps for constructing tangents:

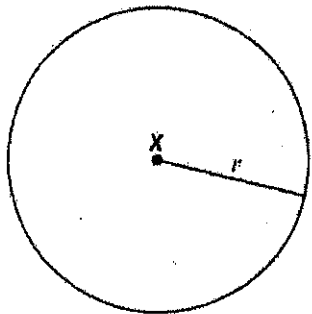
<http://www.mathopenref.com/consttangent.html>

15. construct a tangent through point P. Know the steps!



16. <http://www.mathopenref.com/constantangents.html>

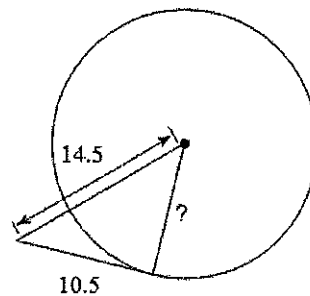
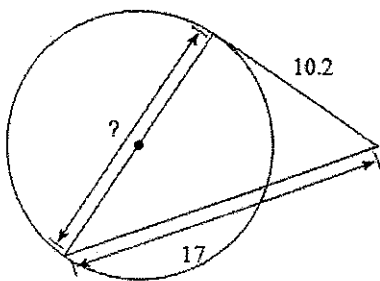
Construct a tangent through point P. Know the steps!



Solve for ?. Highlight the tangent line pink. Highlight the secant line green.

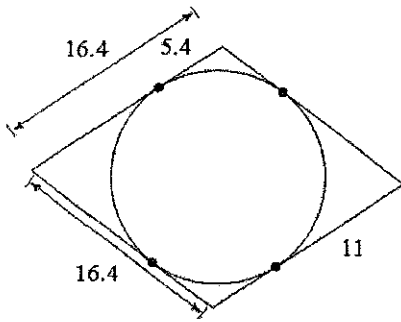
17.

18.

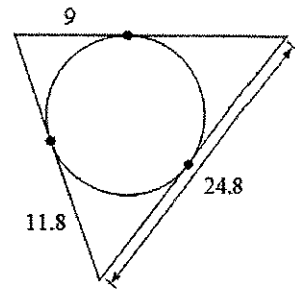


Find the perimeter.

19.

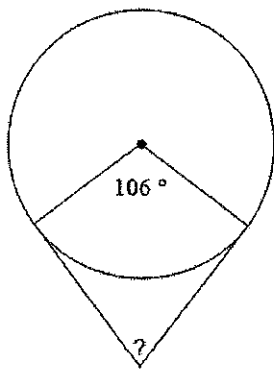


20.

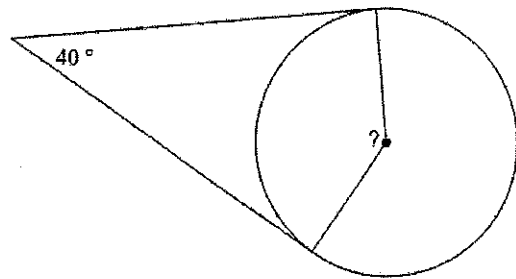


Solve for the ?. Assume lines that appear to be tangent are tangent.

21.

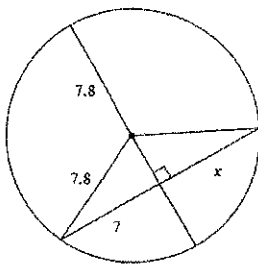


22.

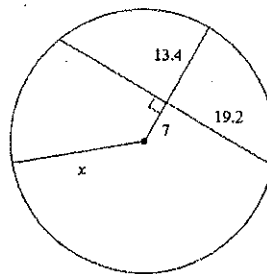


11.2

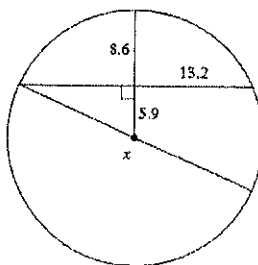
23.



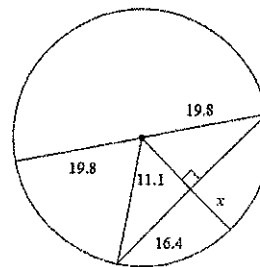
24.



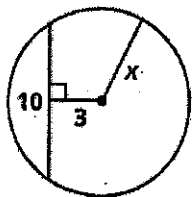
25.



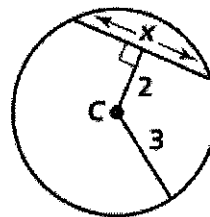
26.



27.

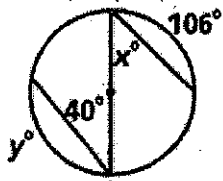


28.



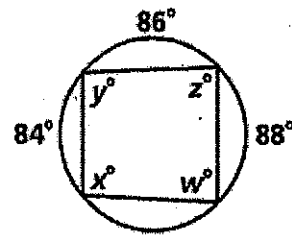
11.3

29.



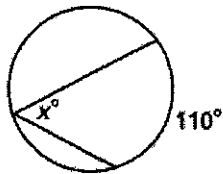
X _____ Y _____

30.



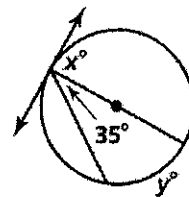
w _____ x _____ y _____ z _____

31.



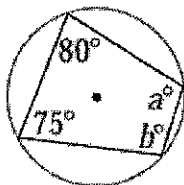
x _____

32.



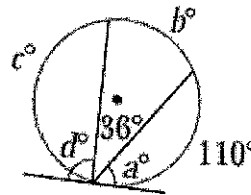
x _____ y _____

33.



a _____ b _____

34.



a _____ b _____ c _____ d _____

35. Radians:

Read and watch the demo here: <http://www.mathsisfun.com/geometry/radians.html>

A. What is a radian? _____

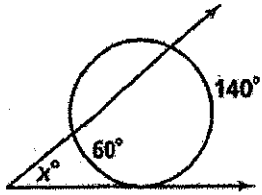
B. how many degrees is a radian? _____

C. how many radians in a half circle? _____

D. How many radians in a whole circle? _____

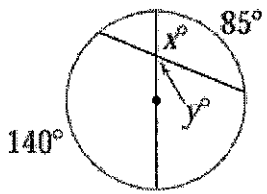
11.4

36.



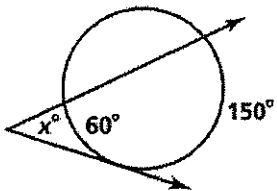
x _____

38.



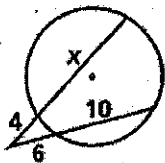
x _____ y _____

40.



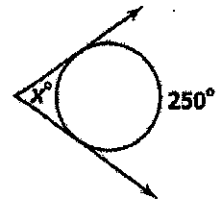
x _____

42.



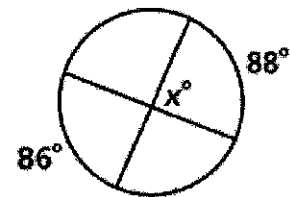
x _____

37.



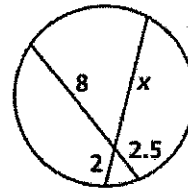
x _____

39.



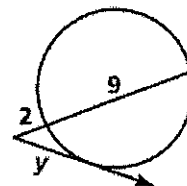
x _____

41.



x _____

43.



y _____

11.5

Find the center and the radius of the circle:

44. $(x - 3)^2 + (y + 9)^2 = 100$

Center _____ r _____

45. $(x + 1)^2 + (y - 12)^2 = 16$

center _____ r _____

Write an equation of a circle with the following information:

46. center $(-7, 15)$ radius = 3

47. Center $(2, 9)$ radius 5

48. center $(-2, -8)$ diameter = 12

49. Center $(10, -1)$ diameter = 22

50. Consider the circle with equation $(x + 3)^2 + (y - 4)^2 = 25$. Is each point inside the circle, on the circle, or outside the circle?

A. $(3, 4)$ _____

B. $(1, 7)$ _____

C. $(2, 4)$ _____

D. $(0, 2)$ _____

E. $(-2, 3)$ _____

51. Use the vocab sort. What is the definition of a circle?

52. Similar figures have the same shape but are not the same size. Why are all circles similar? _____

Study your quizzes from unit 6, the vocab sort, and this test review!