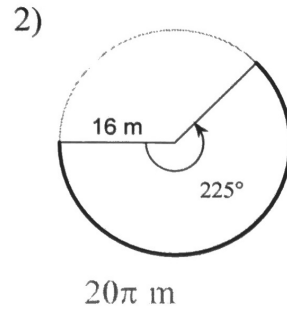
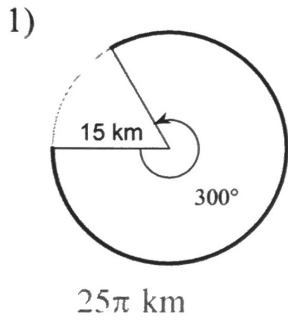


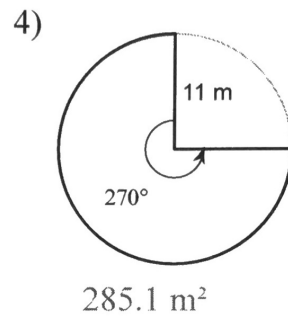
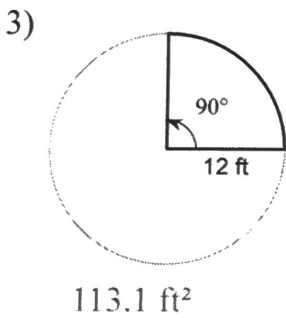
Test Review 1

Name _____ Date _____ Per _____

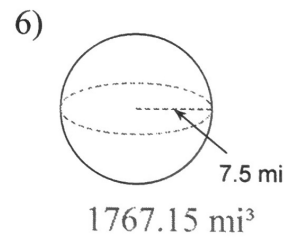
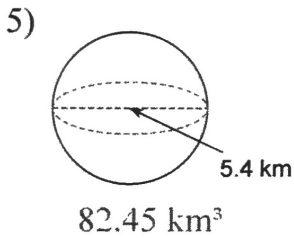
Find the length of each arc. Round your answers to the nearest tenth.



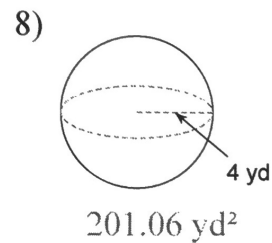
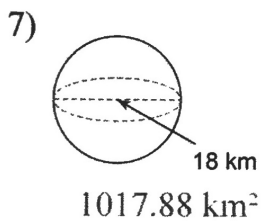
Find the area of each sector. Round your answers to the nearest tenth.



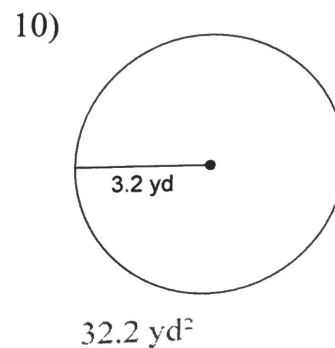
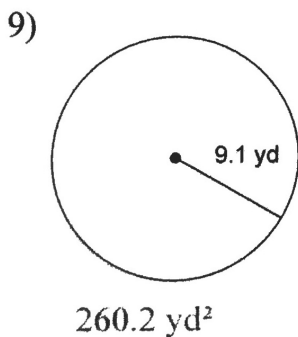
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.



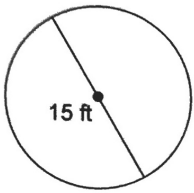
Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.



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



11)



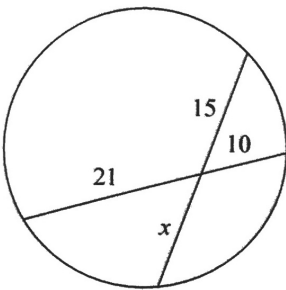
176.7 ft²

12) circumference = 45.9 ft

167.7 ft²

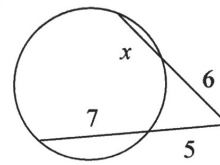
Solve for x . Assume that lines which appear tangent are tangent.

13)



14

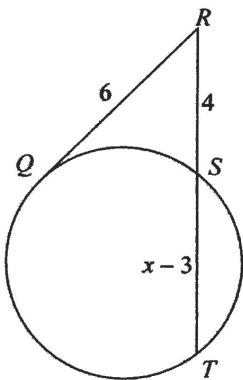
14)



4

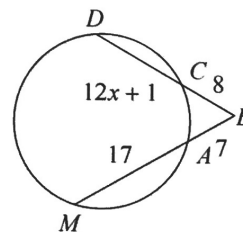
Find the measure of the line segment indicated. Assume that lines which appear tangent are tangent.

15) Find ST



5

16) Find DC



13

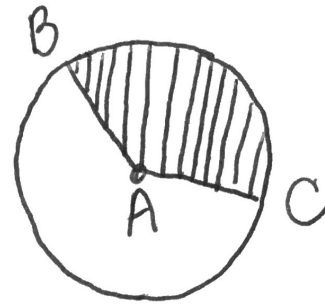
- 17) In circle A, the area of sector BAC is 32.72 inches^2 and the area of circle A is 79 inches^2 . Find each of the following. Round all answers to the nearest hundredth.

$$\text{radius of circle A} = \frac{79 = \pi r^2}{\pi} \quad \sqrt{\frac{79}{\pi}} = r \quad r \approx 5.01$$

$$\text{Circumference of Circle A} = 2\pi(5.01) \approx 31.48$$

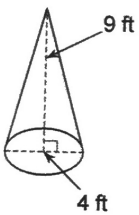
$$m\widehat{BC} = \frac{32.72}{79} = \frac{m\widehat{BC}}{360} \approx 149^\circ$$

$$\text{length of } \widehat{BC} = \frac{x}{31.48} = \frac{149}{360} \approx 13.03$$



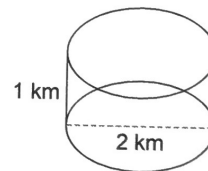
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

18)



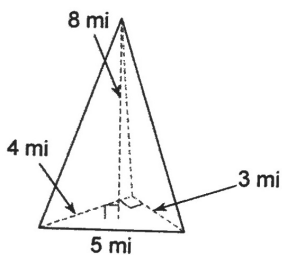
$$37.7 \text{ ft}^3$$

19)



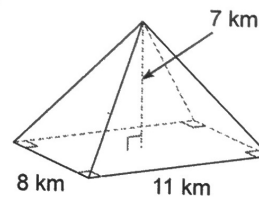
$$3.14 \text{ km}^3$$

20)



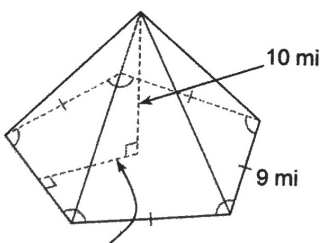
$$16 \text{ mi}^3$$

21)



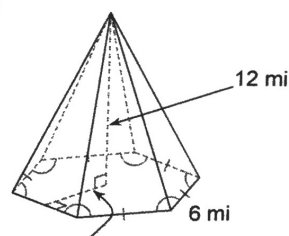
$$205.33 \text{ km}^3$$

22)



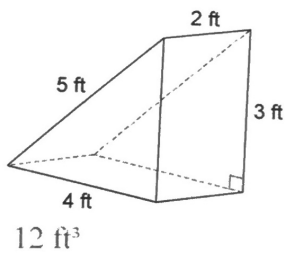
$$465 \text{ mi}^3$$

23)

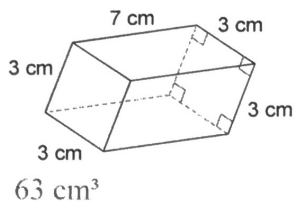


$$374.4 \text{ mi}^3$$

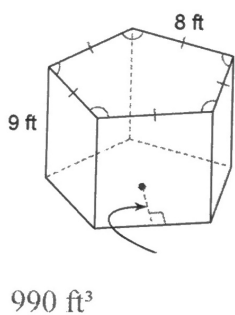
24)



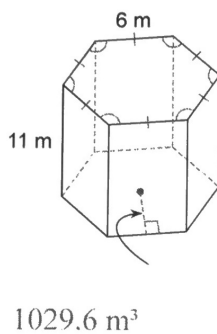
25)



26)

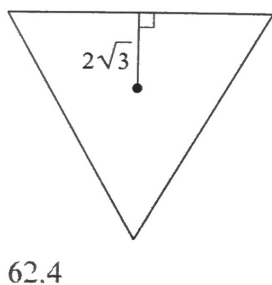


27)

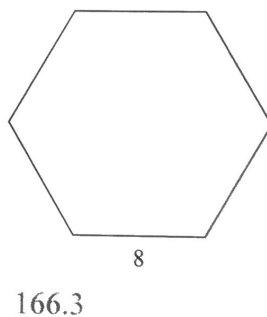


Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.

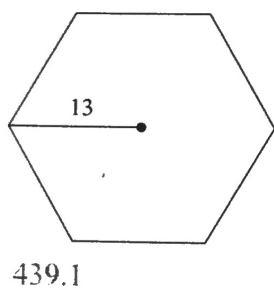
28)



29)

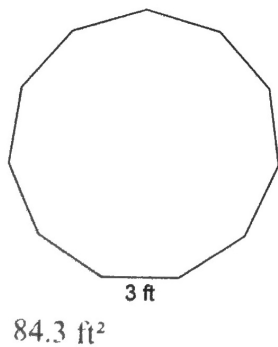


30)



Find the area of each figure. Round your answer to the nearest tenth.

31)



32)

