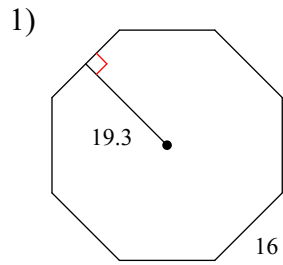
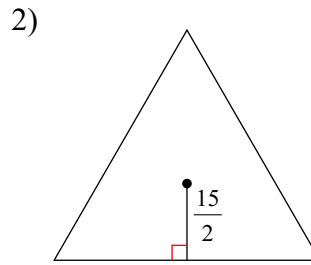


Test Review 2- Area and Volume

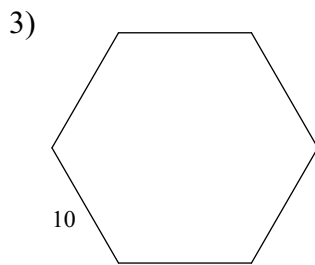
Find the area of each regular polygon. Round your answer to the nearest tenth if necessary.



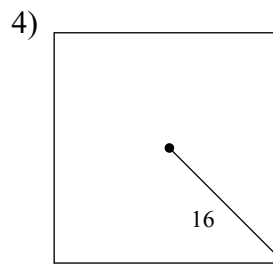
1235.2



292.3



259.8



512

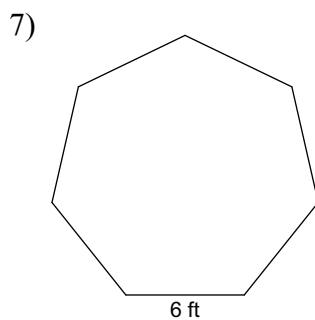
5) hexagon  
side = 8

166.3

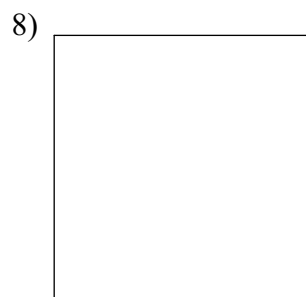
6) triangle  
apothem = 4

83.1

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



130.8 ft<sup>2</sup>



9 yd<sup>2</sup>

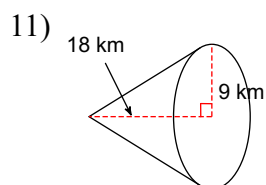
9) A regular 9-gon with a perimeter of 36 ft.

98.9 ft<sup>2</sup>

10) A regular 7-gon with a perimeter of 35 km.

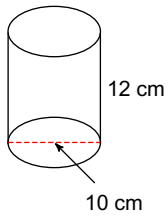
90.8 km<sup>2</sup>

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



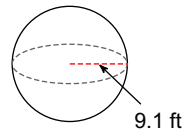
1526.81 km<sup>3</sup>

12)



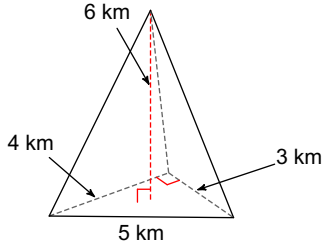
$942.48 \text{ cm}^3$

13)



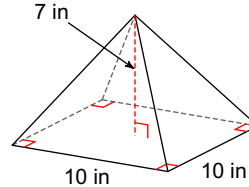
$3156.55 \text{ ft}^3$

14)



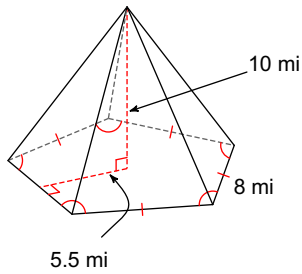
$12 \text{ km}^3$

15)



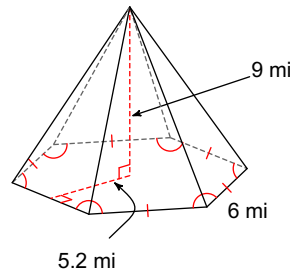
$233.33 \text{ in}^3$

16)



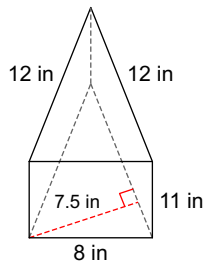
$366.67 \text{ mi}^3$

17)



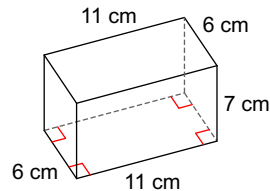
$280.8 \text{ mi}^3$

18)



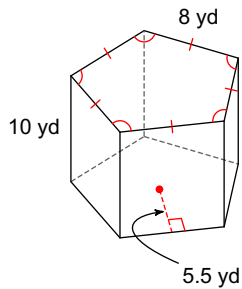
$495 \text{ in}^3$

19)



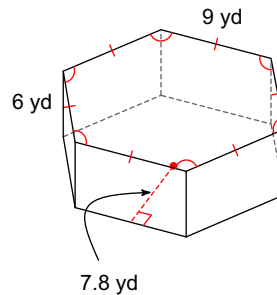
$462 \text{ cm}^3$

20)



$1100 \text{ yd}^3$

21)



$1263.6 \text{ yd}^3$