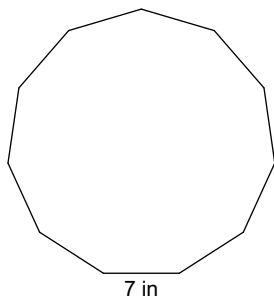


Area and Volume Review

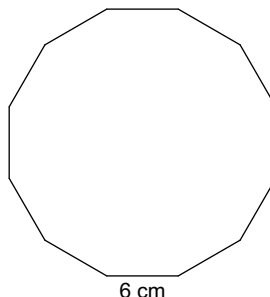
Find the area of each figure. Round your answer to the nearest tenth.

1)



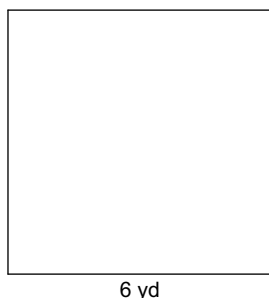
458.9 in²

2)



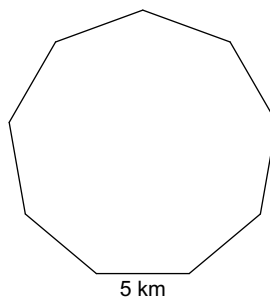
403.1 cm²

3)



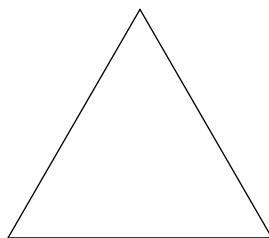
36 yd²

4)



154.5 km²

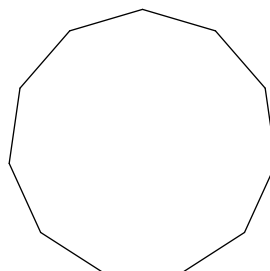
5)



Perimeter = 15 m

10.8 m²

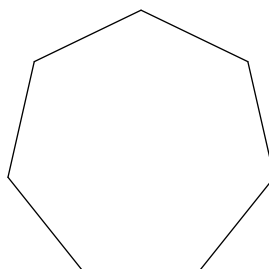
6)



Perimeter = 88 km

599.4 km²

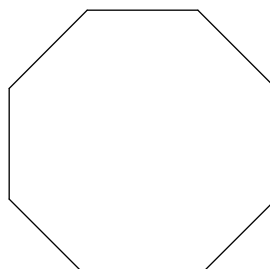
7)



Perimeter = 42 in

130.8 in²

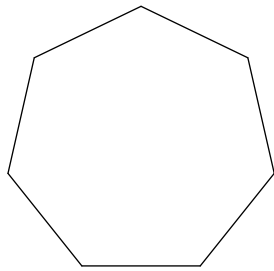
8)



Perimeter = 32 m

77.3 m²

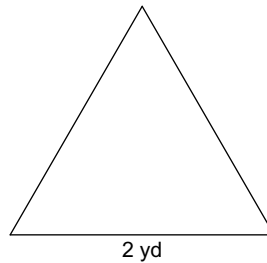
9)



Perimeter = 21 ft

32.7 ft²

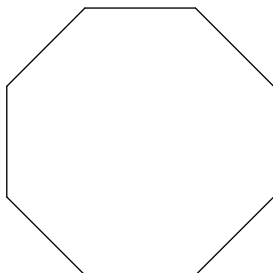
10)



2 yd

1.7 yd²

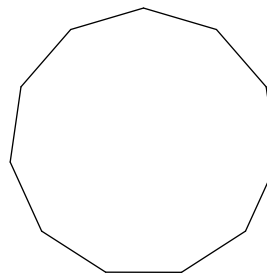
11)



8 in

309 in²

12)



Perimeter = 55 km

234.1 km²

13) A regular 12-gon measuring 4 km on each side.

179.1 km²

14) A regular 10-gon measuring 3 m on each side.

69.2 m²

15) A regular 9-gon with a perimeter of 54 m.

222.5 m²

16) A square with a perimeter of 20 km.

25 km²

17) A regular 9-gon 3 yd on each side.

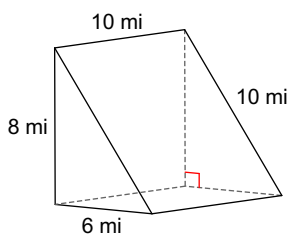
55.6 yd²

18) A regular pentagon 2 in on each side.

6.9 in²

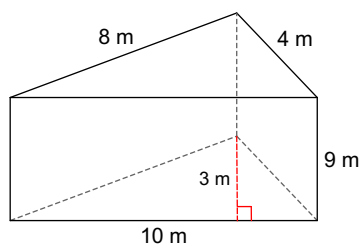
Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

19)



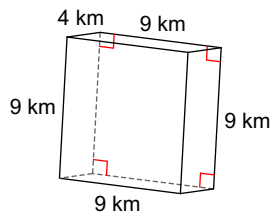
240 mi³

20)



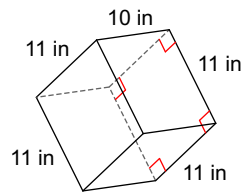
135 m³

21)



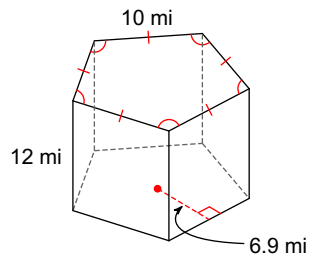
324 km^3

22)



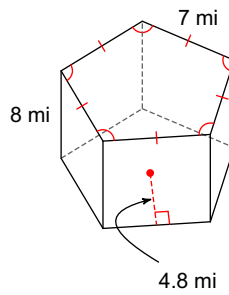
1210 in^3

23)



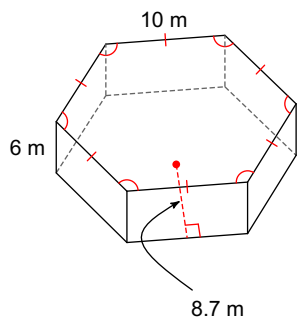
2070 mi^3

24)



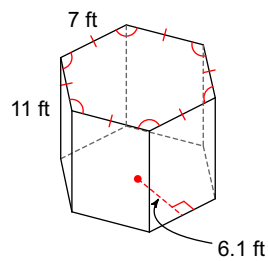
672 mi^3

25)



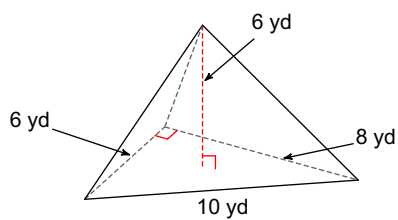
1566 m^3

26)



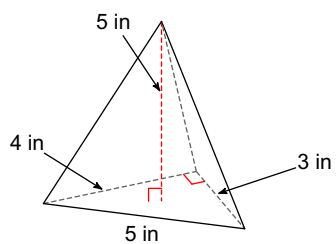
1409.1 ft^3

27)



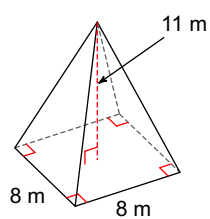
48 yd^3

28)



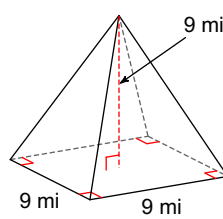
10 in^3

29)

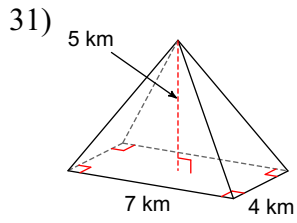


234.67 m^3

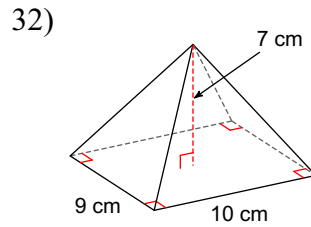
30)



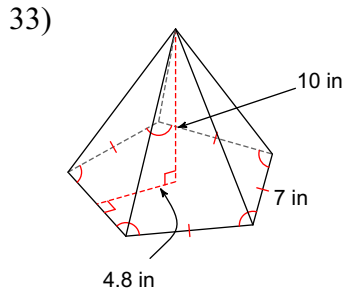
243 mi^3



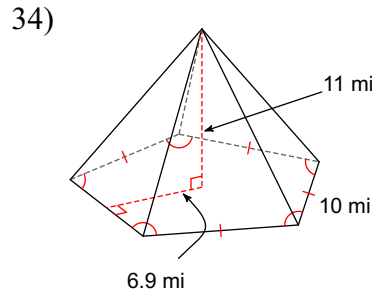
46.67 km^3



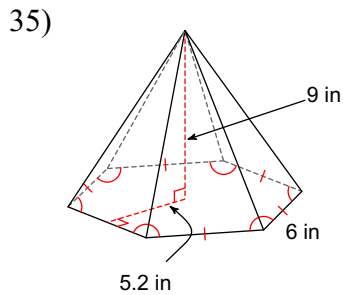
210 cm^3



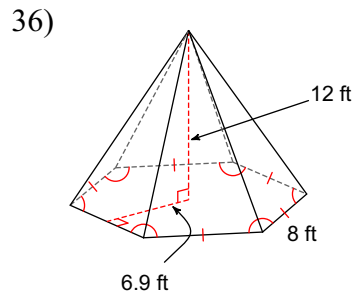
280 in^3



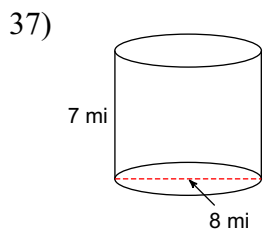
632.5 mi^3



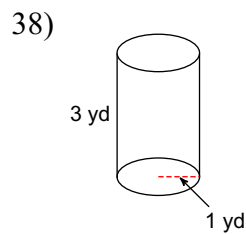
280.8 in^3



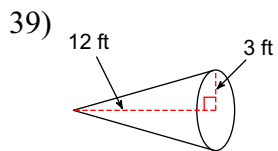
662.4 ft^3



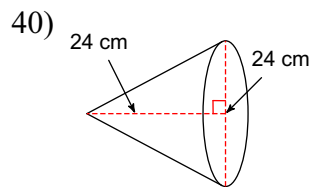
351.86 mi^3



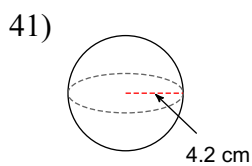
9.42 yd^3



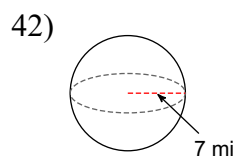
113.1 ft^3



3619.11 cm^3



310.34 cm^3



1436.76 mi^3