

Volume Review

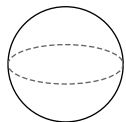
For each figure:

A) Name each figure.

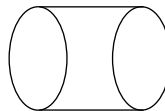
B) State the volume formula.

C) Draw and label the radius, height, length, width, and apothem as needed for each figure.

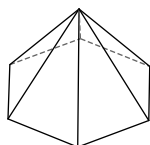
1)



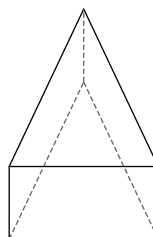
2)



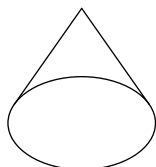
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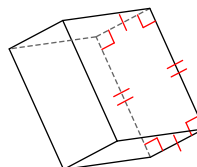
4)



5)

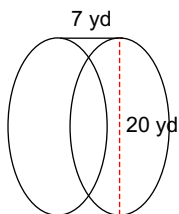


6)

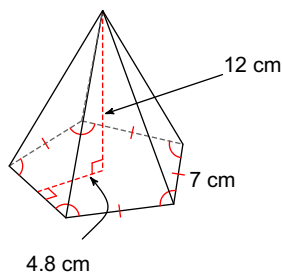


Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

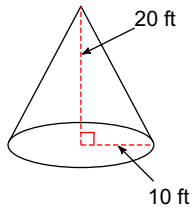
7)



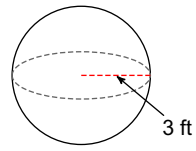
8)



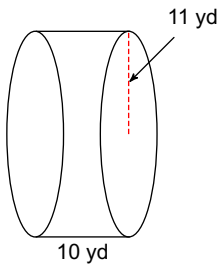
9)



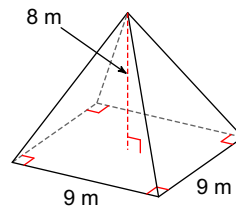
10)



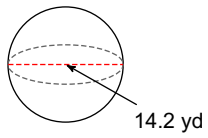
11)



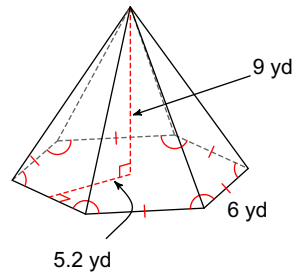
12)



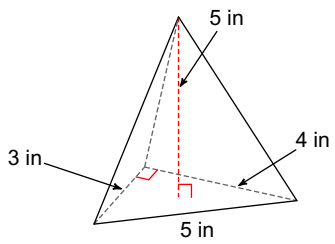
13)



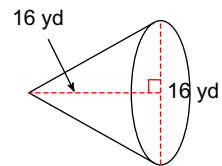
14)



15)



16)



For the following problems, draw and label a picture then answer the question.

17) What is the volume of a cylinder whose base has a radius of 8cm and a height of 3cm ?

18) Find the volume of a cone-shaped building with a height of 3cm and a radius of base 14cm .

19) A beehive is in the shape of a pentagonal pyramid. If the base has an area of 12.5cm^2 and a height of 15cm , what is the volume?

20) A cylindrical oil drum is 7 inches high and has a radius of 2 inches. How many cubic inches of oil can the drum hold?

21) A sphere has a volume of 250cm^3 . What is the radius of the sphere?

22) The volume of a cylinder is 307.72cm^3 and has a radius of 2cm . What is the height?

23) The volume of the pyramid at the Louvre Museum is 256.7m^3 and has a base area of 22m . What is the height?

24) The volume of a cereal box is 217.5in^3 . The height of the box is 12in and the width is 2.5in . What is the length of the box?