

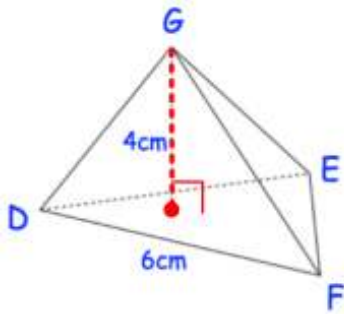
Geo Practice #27

Sec 11-5 to 11-7

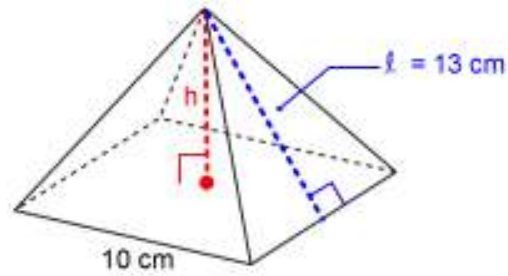
Mon to Fri, June 1 to 5, 2020

For 1 and 2 find the volume of each. Round to the nearest hundredth unless noted otherwise.

1. Triangular Pyramid. The Base, $\triangle DEF$, is an Isosceles triangle.



Vol =



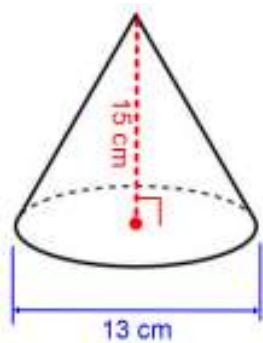
Vol =

3. The Volume of a Square Pyramid is 200 cm^3 . The Height of the pyramid is 10 cm. Find the length of each Base Edge to the nearest hundredth.

Length of Base Edge =

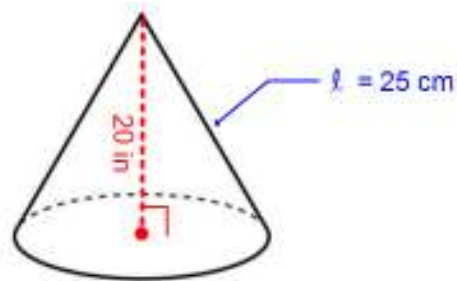
For 4 and 5 find the volume of each cone.

4. Leave the answer in terms of π .



Vol =

5. Give answer to nearest hundredth.

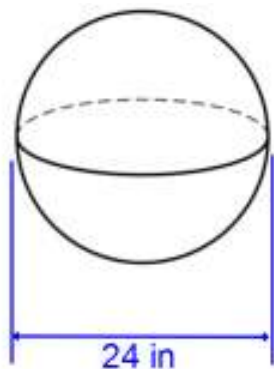


Vol =

6. A Cone with volume 500 cm^3 has a height of 12 cm. Find the length of the radius of the Base to the nearest hundredth.

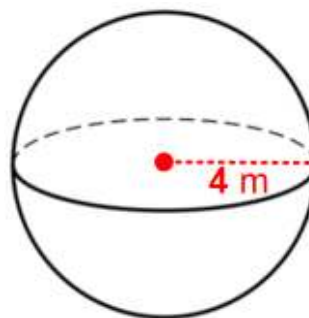
$r =$

7. Find the Surface Area of this Sphere. Leave answer in terms of π .



SA =

8. Find the Volume of this Sphere to the nearest hundredth.

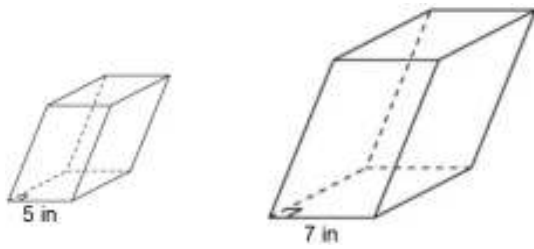


Vol =

9. The Surface Area of a Sphere is 360 cm^2 . Find its Volume to the nearest hundredth.

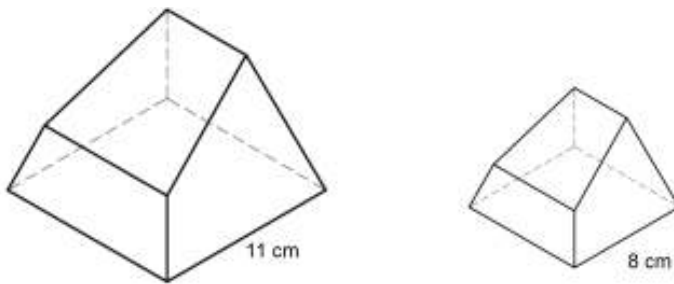
Vol =

10. The two solids shown are similar. If the Volume of the larger one is 1500 cm^3 find the Volume of the smaller one to the nearest hundredth.



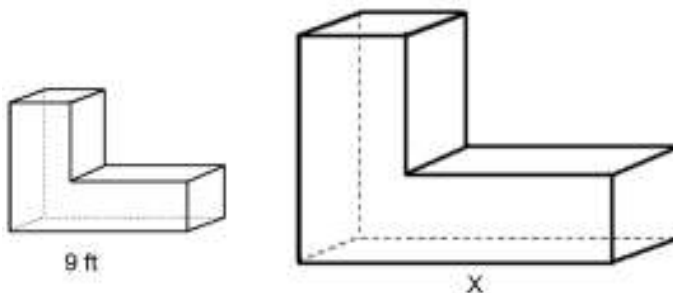
Vol of smaller =

11. The two solids shown are similar. If the SA of the smaller one is 850 in^2 find the SA of the larger one to the nearest hundredth.



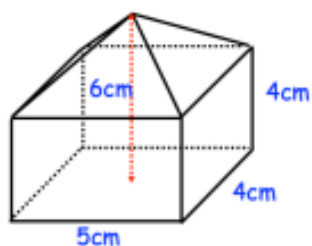
SA of larger =

12. The two solids shown are similar. The Volume of the larger one is 2197 ft^3 and the Volume of the smaller one is 512 ft^3 . Find the value of x to the nearest hundredth.



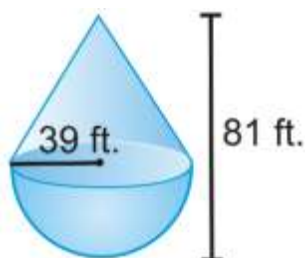
$x =$

13. The composite solid shown below is made by putting a rectangular pyramid on top of a rectangular prism. The prism and pyramid have congruent Bases. Find the volume of this solid to the nearest hundredth.



Vol =

14. Find the volume of this composite solid formed by putting a cone together with a hemisphere. Round to the nearest hundredth.



Vol =