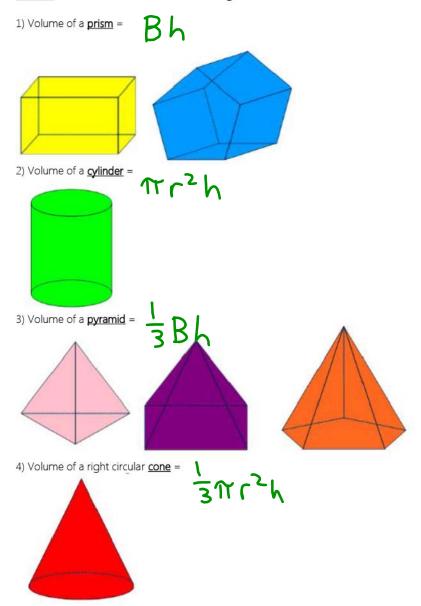
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Geometry CC – Mr. Valentino
Unit 11 Day 6: Volume of Spheres and Compound Figures

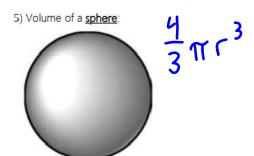
Name:	
Date:	Per:

Aim: How can we find the volume of spheres and compound figures?

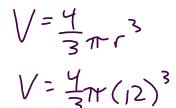
<u>Do Now</u>: Write down the formulas for each figure and describe each letter of the formula

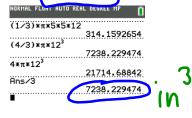


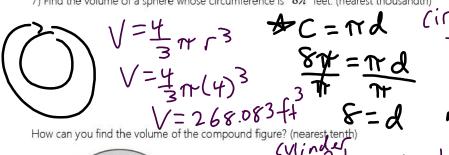
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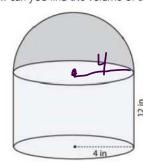


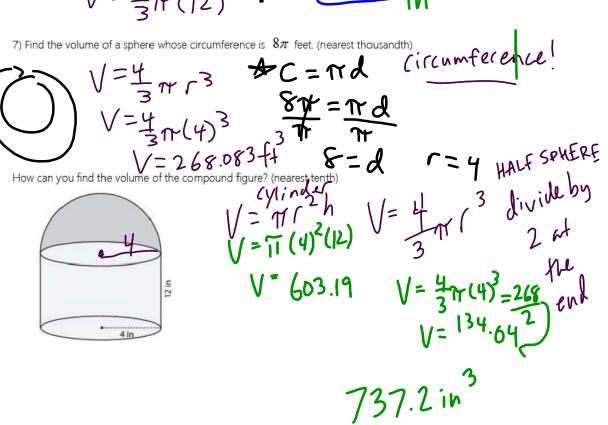
6) Find the volume of a sphere whose diameter is 24 inches (nearest tenth)





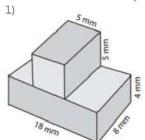


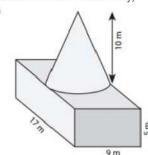


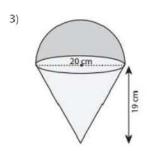


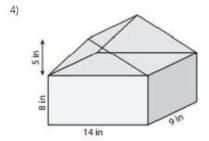
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Find the volume of the compound figures (to the nearest hundredth where necessary)

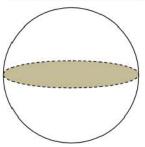




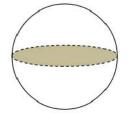




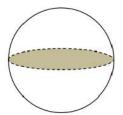
5) Find the volume of this sphere if the area of the shaded circle is $25\pi\,\mathrm{cm^2}$. (nearest tenth)



- 6) Find the volume of each sphere shown below: (nearest hundredth)
- a] Circumference = $14\pi\,\mathrm{cm}$



b] Shaded area = 49π in²



7) What is the radius of a sphere whose volume is $288\pi\,\mathrm{cm^3}$?