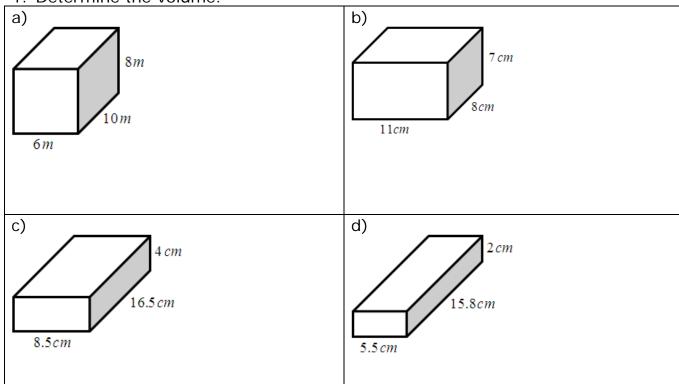
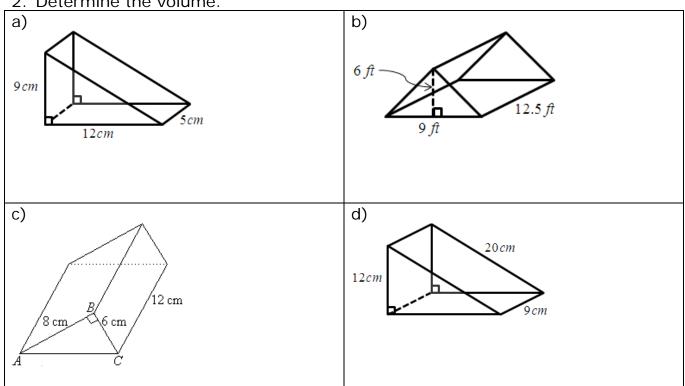
Math 8

Chapter 7 Review

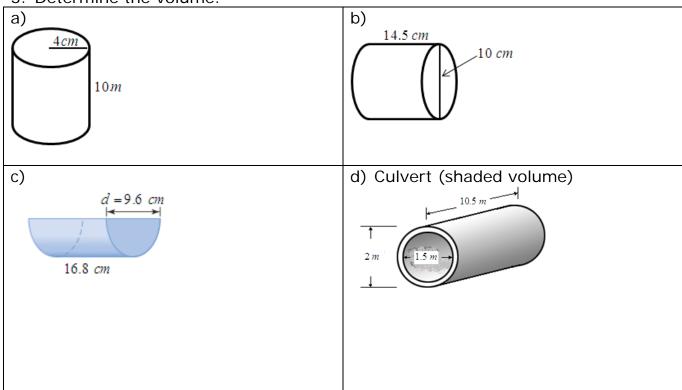
1. Determine the volume.



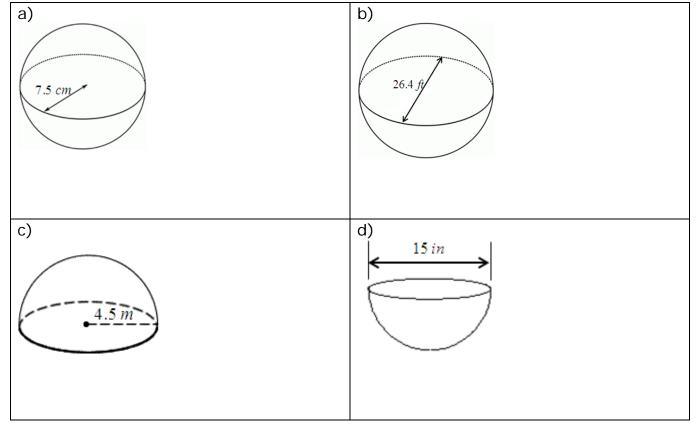
2. Determine the volume.



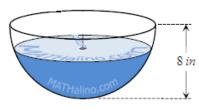
3. Determine the volume.



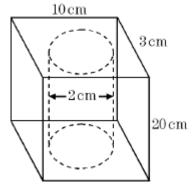
4. Determine the volume.



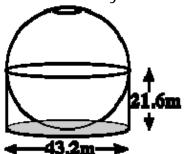
5. A 8 inch spherical bowl has juice that is 2/3 full. What's the volume of the juice?



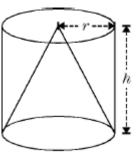
6. A cylinder is cut from rectangular prism as shown. What is the volume of the remaining rectangular prism?



7. Half a sphere is inside a cylinder as shown. What is the remaining volume inside the cylinder that is not occupied by the sphere?



8. A cone with radius r = 5 cm and height h = 10 cm just fits inside a cylinder with the same radius and height. What is the volume in the cylinder that is not occupied by the cone?

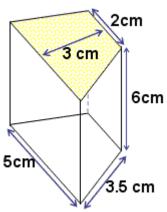


9. A prism has volume of $4576\,cm^3$ and a base area of $352\,cm^2$, find the height of the prism.

10. A rectangular pool has a volume $1620\,m^3$, the width measures 9 m and the length is 15 m. How deep is it?

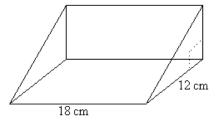
11. A cylindrical volume is $5664.7 \ cm^3$ and it has a base area $306.2 \ cm^2$. Determine the height of the cylinder.

12. Find the volume of the trapezoidal prism.

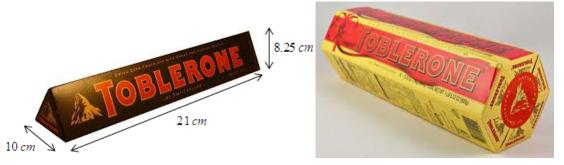


13. A square base rectangular box can hold $3197.4 \, cm^3$ of material with the height measuring 15 cm. Find length of the sides of the base.

14. The volume of the triangular prism shown below is $972\,cm^3$. Determine the height of the triangle.



15. Six Toblerone chocolate bars are put together to form a hexagonal prism. The dimensions of a single bar are given below. Determine the volume of a box of six.



16. A side of an equilateral triangular sandbox measures 3 ft in length and 2 ft deep. If the box is 90% filled with sand, then what is the volume of sand?



17.	If the surface area of a cube ${\sf is}150{\it cm}^2$, then determine the volume of the cube.
18. fin	If the surface area of a cylinder is $338\picm^2$ with a radius of 6.5 cm, then If the volume of the cylinder.
19. th	If the surface area of a sphere is $334\picm^2$, then determine the volume of sphere.