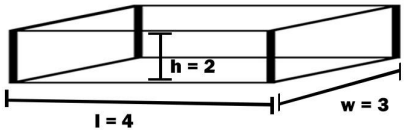
Finding the Volume of Solid Figures

Practice Questions

Directions: Select the letter of the correct answer for each question below.

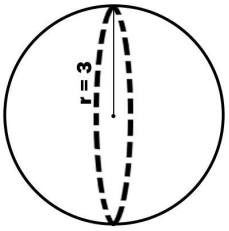
1) The side of a cube is 8 cm long. Determine its volume.
(a) 64 cm^3
(b) 256 cm^2
(c) 256 cm^3
(d) 512 cm^3

For item 2, refer to the given illustration below (all measurements are in cm):



2) What is the volume of the given solid figure above?
(a) 24 cm^3
(b) 61 cm^3
(c) 84 cm^3
(d) 102 cm^3

For item 3, refer to the given illustration below.



To God be the glory!

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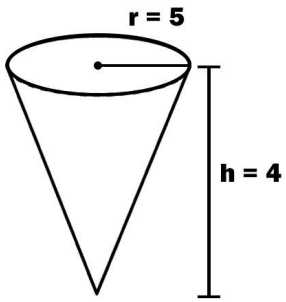
3) What is the volume of the given solid figure?
(a) 36π cubic units
(b) 10.67π cubic units
(c) 8.72π cubic units
(d) 85.33π cubic units

For item 4, refer to the given figure below:



4) What is the volume of the cone in the given illustration (Use π = 3.14)?
(a) 60.18 cubic units
(b) 76.98 cubic units
(c) 84.58 cubic units
(d) 104.67 cubic units

5) Suppose that you double each side of a cube, what will happen to its volume?
(a) increased by two times
(b) increased by three times
(c) increased by eight times
(d) increased by 32 times