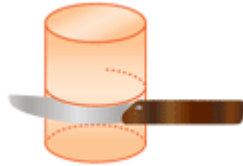


1. Name the 2D Cross Section for each solid.

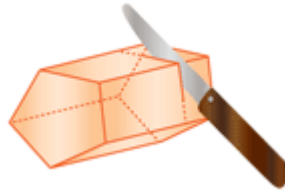
a.



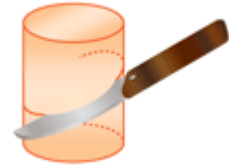
b.



c.

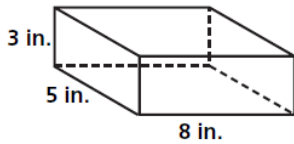


d.

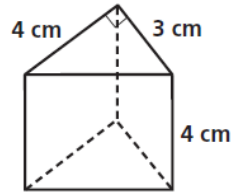


2. Find the volume of each figure. Round your answer to the nearest whole number.

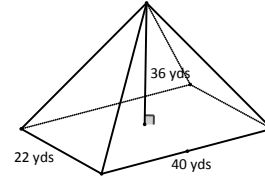
a.



b.

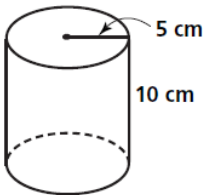


c.

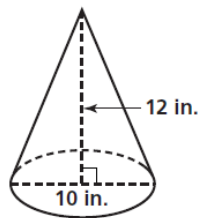


3. Find the volume of each figure in terms of π .

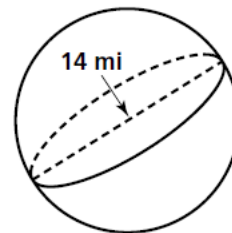
a.



b.



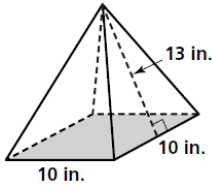
c.



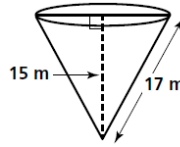
4. Find the volume of each figure (round your answer to the nearest tenth).

Hint: Use Pythagorean Theorem to find the height of each solid.

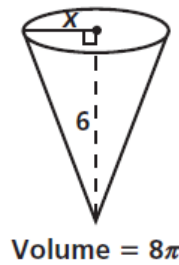
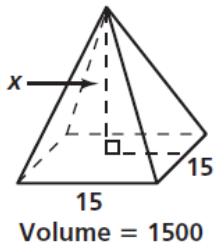
a.



b.



5. Solve for x in each figure.



6. A rectangular prism with a square base has a volume of 144 cubic centimeters. If the height of the box is 4 centimeters, what are the dimensions of its base?

7. *Challenge:* Find the volume of the 3D solid to the nearest tenth (assume the base is regular).

