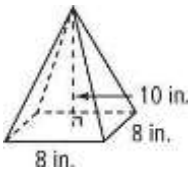
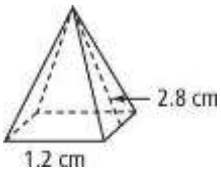
Name_____ Class_____ Date_____

HW-56 Volumes of Pyramids and Cones

Find the volume of each square pyramid. Round to the nearest tenth if necessary.

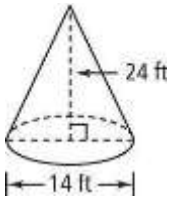
1. 

Find the volume of each square pyramid, given its slant height. Round to the nearest tenth.

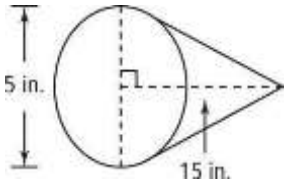
2. 

Find the volume of each cone in terms of π and also rounded as indicated.

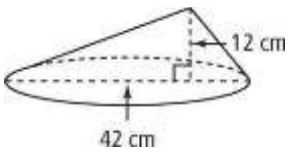
3. nearest cubic foot



4. nearest cubic inch



Find the volume to the nearest whole number.

5. 

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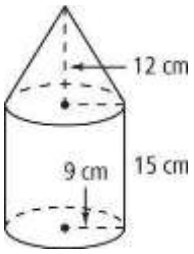
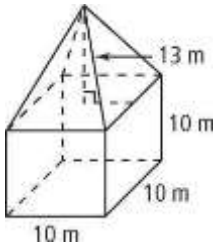
Find the volume of each figure to the nearest whole number.

6.

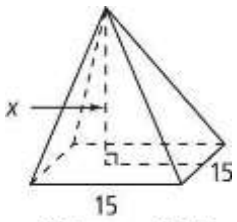


7.



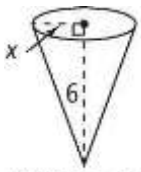
Algebra Find the value of x in each figure. Leave answers in simplest radical form. The diagrams are not to scale.

8.



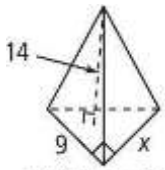
Volume = 1500

9.

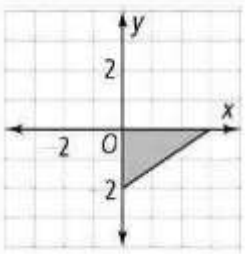


Volume = 8π

10.



Volume = 126

Visualization Suppose you revolve the plane region completely about the given line to sweep out a solid of revolution. Describe the solid. Then find its volume in terms of π.

11. the x-axis