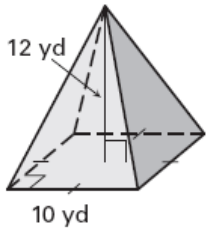


Geometry Section 12.5: Volume of Pyramids and Cones

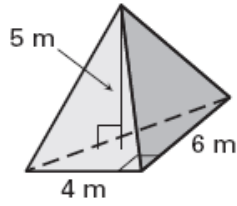
Name: _____

Find the indicated measure of the figure. Show your work, round approximate answers to the nearest hundredth, and label answers appropriately.

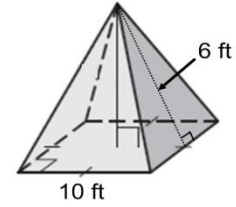
1. Exact Volume = _____



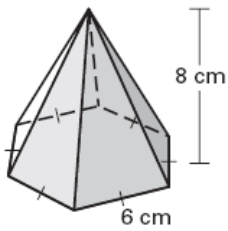
2. Exact Volume = _____



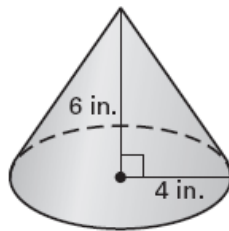
3. Approx. Volume = _____



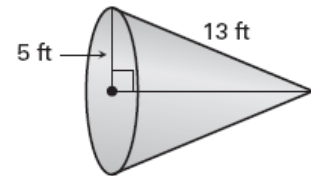
4. Exact Volume = _____



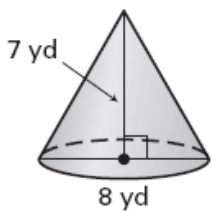
5. Exact Volume = _____



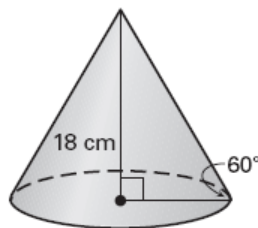
6. Exact Volume = _____



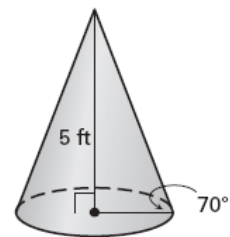
7. Approx. Volume = _____



8. Exact Volume = _____



9. Approx. Volume = _____



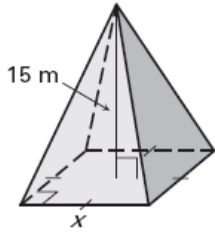
10. Draw a diagram and find the exact volume of a regular square pyramid with height 8 m and slant height 17 m.

11. Draw a diagram and find the exact volume of a regular square pyramid with base edge 24 in and lateral edge 24 in.

Find the exact value of x.

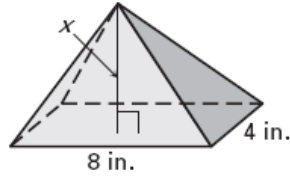
12. $x =$ _____

Volume = 605 m^3



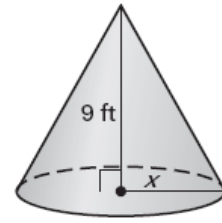
13. $x =$ _____

$V = 64 \text{ in.}^3$



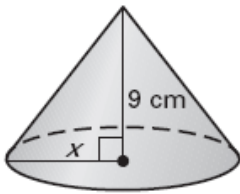
14. $x =$ _____

Volume = $75\pi \text{ ft}^3$



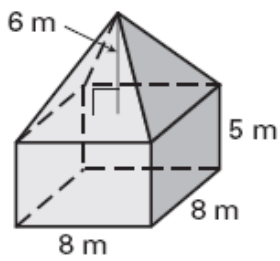
15. $x =$ _____

$V = 147\pi \text{ cm}^3$

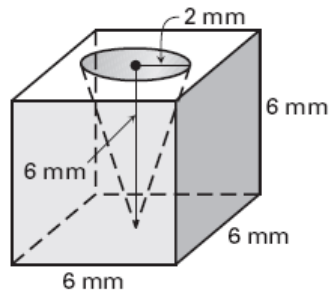


Find the volume of the solid.

16. Exact volume = _____



17. Exact volume = _____



18. Approx. volume = _____

