Find the volume of the solid. Round your answer to two decimal places.

1. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

2. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

3. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

4. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

5. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

6. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

Find the value of \( x \).

7. \[ V = 64 \text{ in.}^3 \]

8. \[ V = 147\pi \text{ cm}^3 \]

9. \[ V = 56 \text{ m}^3 \]

10. Multiple Choice A right cone has a height of 6 feet and a volume of \( 32\pi \) cubic feet. What is its radius?

A. 2 ft  
B. 3 ft  
C. 4 ft  
D. 5 ft

Find the volume of the right cone. Round your answer to two decimal places.

11. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

12. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]

13. \[ \text{Volume} = \frac{1}{3} \pi r^2 h \]
Find the volume of the solid. The prisms, pyramids, and cones are right. Round your answer to two decimal places.

14. \( \text{Volume} = \frac{1}{2} \times 6 \times 5 \times 8 = 120 \text{ m}^3 \)

15. \( \text{Volume} = \pi \times 2^2 \times 5 = 62.83 \text{ in.}^3 \)

16. \( \text{Volume} = \frac{1}{6} \times 6 \times 6 \times 6 = 72 \text{ cm}^3 \)

17. \( \text{Volume} = \pi \times 2 \times 6 = 37.69 \text{ mm}^3 \)

18. \( \text{Volume} = \frac{1}{3} \times \pi \times 6 \times 9 = 56.55 \text{ in.}^3 \)

19. \( \text{Volume} = \frac{1}{3} \times 6 \times 6 \times 6 = 216 \text{ cm}^3 \)

20. **Height of a Pyramid** A right pyramid with a square base has a volume of 16 cubic feet. The height is six times the base edge length. What is the height of the pyramid?

21. How many cubic feet of concrete are available to the contractor?
22. How many cubic yards of concrete are available to the contractor?
23. Does the contractor have enough concrete to finish the job?