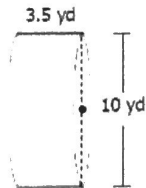


Directions: Find the **volume** of each figure. Round to the nearest hundredth when necessary.

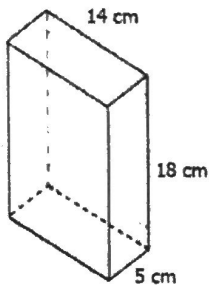
1.



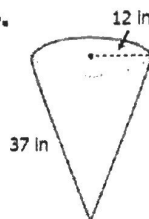
2.



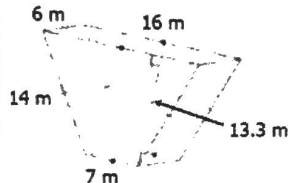
3.



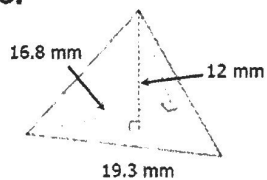
4.



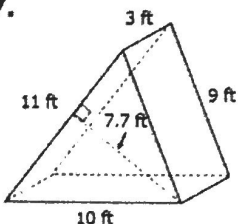
5.



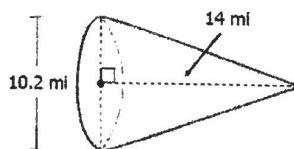
6.



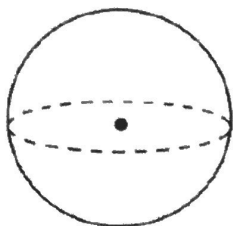
7.



8.



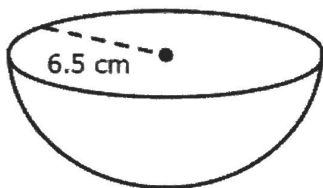
9. Find the diameter of the sphere:



$$V = 686 \text{ yd}^3$$

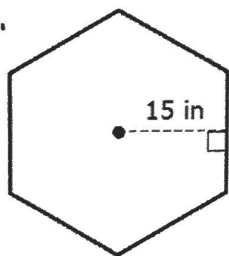
10. If the dimensions of a figure are doubled, how many times larger will the volume be?

11. Find the volume of the hemisphere:

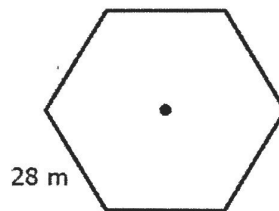


12. Find the diameter of a hemisphere with a volume of 4,601.39m.

13. Find the area:



14. Find the area:



15. A diagram of Eric's pool is shown below. He plans to fill his pool to a depth of 4 feet with a garden hose that has an 80 ft³ per hour flow rate. How many hours will it take to fill the pool?

