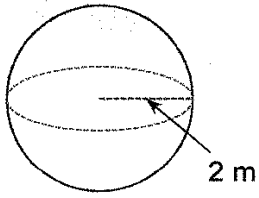
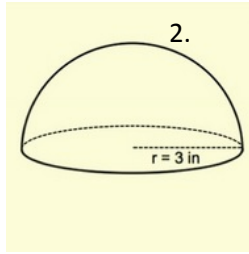


Find the volume. Keep answers exact (terms of  $\pi$ )

1.

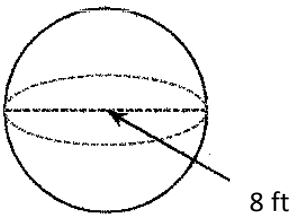


2.

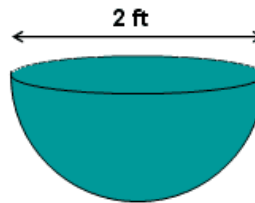


Find the volume. Round answer to hundredths (two decimal places).

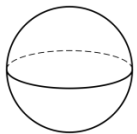
3.



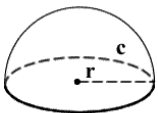
4.



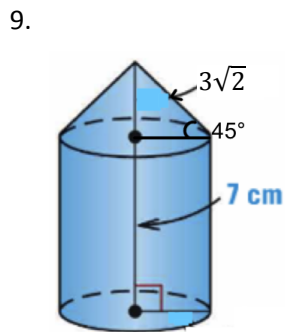
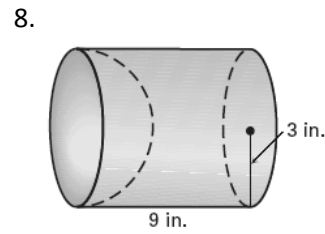
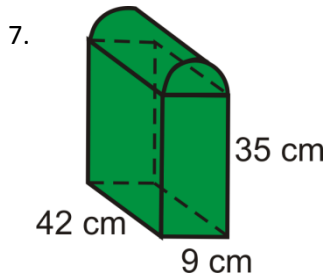
5. **FINDING A DIAMETER** The volume of a sphere is  $36\pi$  cubic feet. What is the diameter of the sphere?



6. The volume of a hemisphere is  $216\pi$  cubic inches. Find the radius of the sphere.



Find the **volume** of the solid. Round your answer to two decimal places, if necessary.



10. A cylinder contains 3 tennis balls.  
Find the amount of empty space/air that is inside the container.

