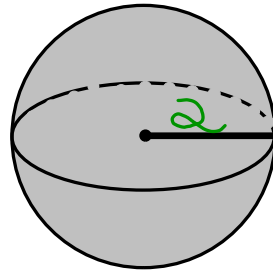


# Volume Of a Sphere

May 22, 2007



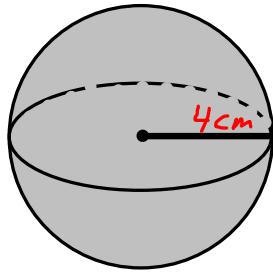
$$\underline{\underline{V = \frac{4}{3} \pi r^3}}$$

$$V = \frac{4}{3} \pi 2^3$$

$$= \frac{4}{3} \cdot \pi \cdot 8$$

$$= \frac{32}{3} \pi$$

$$\underline{\underline{\approx 33.49}}$$



Sphere w/ Radius = 4cm

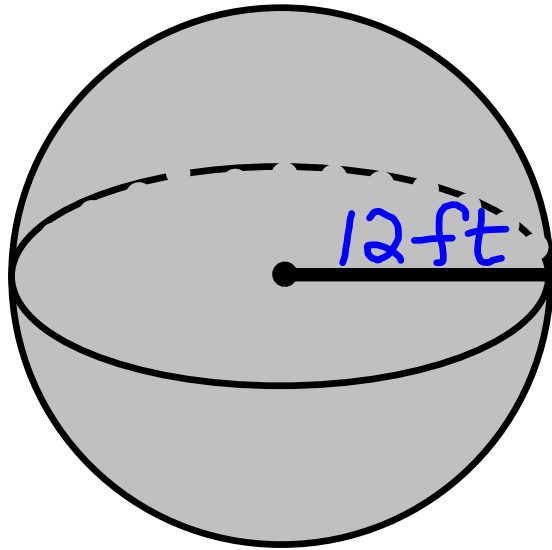
$$V = \frac{4}{3} \pi r^3$$

$$= \frac{4}{3} \pi (4\text{cm})^3$$

$$= \frac{4}{3} \cdot \pi \cdot 64\text{cm}^3$$

$$\approx \underline{\underline{267.95\text{cm}^3}}$$

$\sqrt[3]{}$   
85.33333333  
 $\times 3.14$   
267.9466667  
6 > 5  
So... 4 → 5



$$V = \frac{4}{3} \pi r^3$$

$$= \frac{4}{3} \cdot \pi (12 \text{ ft})^3$$

$$= \frac{4}{3} \cdot \pi \cdot 1728 \text{ ft}^3$$

$$\approx 7234.56$$

O.T.L.

① Pg 230:18-29 (all)

2. Posters Due

Tomorrow... Part of  
Final Exam Grade

③ Notebooks  
Also Due  
Tomorrow

- Make Sure Sketch is  
Approved + glue-sticked  
on Back

- Make Sure Name on Back

④ Last Day for  
Full Credit for  $\geq$  grades is tomorrow)