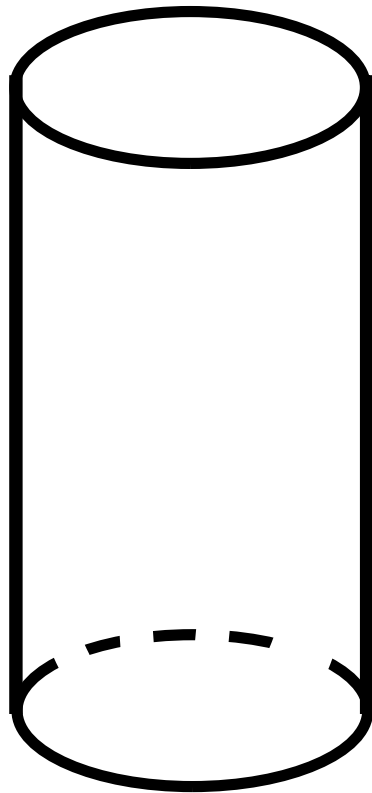


Volume of a Cylinder

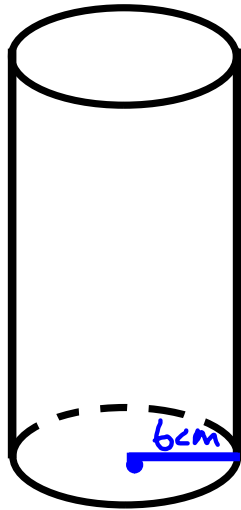
May 23, 2007



Think... Just as a
Prism that's
Round... so...

$$V = A_B \cdot h$$

where the Base is a Circle
So... $A_B = A_{\odot} = \underline{\underline{\pi r^2}}$



$$V = A_B \cdot h$$

15 cm

$$= (36\pi \text{ cm}^2) \cdot 15 \text{ cm}$$

$$\text{exact} \rightarrow \underline{\underline{540\pi \text{ cm}^3}}$$

$$A_B = \pi r^2$$

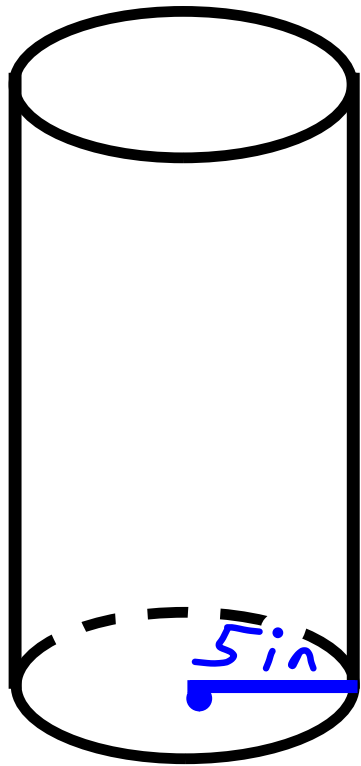
$$= \pi \cdot (6 \text{ cm})^2$$

$$= 36\pi \text{ cm}^2$$

$$\approx 540(3.14) \text{ cm}^3$$

$$\approx \underline{\underline{1695.6 \text{ cm}^3}}$$

↑
Approx



$$V = A_B \cdot h$$

$$= (25\pi \text{ in}^2) \cdot (12 \text{ in})$$

$$\text{exact} \Rightarrow \underline{300\pi \text{ in}^3}$$

$$\begin{aligned} A_B &= \pi r^2 \\ &= \pi (5 \text{ in})^2 \\ &= \underline{\underline{25\pi \text{ in}^2}} \end{aligned}$$

$$\approx 300(3.14) \text{ in}^3$$

$$\approx \underline{\underline{942 \text{ in}^3}} \leftarrow \text{approx}$$

O.T.L.

① pg 270: Written: 1, 2, 3

pg 279: 43, 45, 46

①a Chapter Test/Exam Friday

② Review Day Tomorrow

③ Friday, May 24, 2007: 7:20am sharp

↳ Semester / Ch 8 exam Review !!!

↳ Breakfast will be provided.

↳ Must sign in w/ Mrs. T. under at least MY poster forms.

④ Notebooks are Due Today

⑤ Posters Are Due Today

⑥ Last Day, Today, for Full Credit z-grades