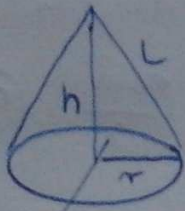


2AD. 5.22 b



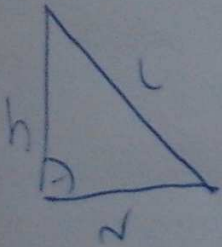
$$r = 5.5$$

$$P_{\text{catu}} = P_{\text{pudat}} + P_{\text{bok}}$$

$$V = 133,1 \pi$$

$$V = \frac{1}{3} P_{\text{pudat}} \cdot h$$

$$P_{\text{pudat}} = \pi r^2 = \pi \cdot \left(\frac{11}{2}\right)^2 = \pi \cdot \left(\frac{11}{2}\right)^2 = \frac{121\pi}{4}$$



$$\frac{133,1}{10} \pi = \frac{1}{3} \cdot \frac{121\pi}{4} \cdot h$$

$$\frac{133,1}{10} = \frac{121}{12} h \cdot \frac{121}{\pi}$$

$$h = \frac{133,1}{\frac{121}{5}} \cdot \frac{121}{121} = \frac{66}{5}$$

$$l^2 = r^2 + h^2$$

$$l^2 = \left(\frac{11}{2}\right)^2 + \left(\frac{66}{5}\right)^2$$

$$l^2 = \frac{121}{4} + \frac{4356}{25}$$

$$l^2 = \frac{3025 + 17424}{100}$$

$$l = \frac{\sqrt{20449}}{10} = \frac{143}{10}$$

$$P_{\text{bok}} = \pi r \cdot l = \pi \cdot \frac{11}{2} \cdot \frac{143}{10} = \frac{1573\pi}{20}$$

$$P_{\text{catu}} = \frac{121\pi}{4} + \frac{1573\pi}{20}$$

$$= \frac{605\pi}{20} + \frac{1573\pi}{20} = \frac{2178}{20} \pi = \frac{1089\pi}{10}$$