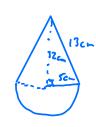
Homework Review



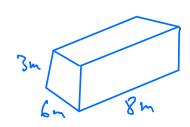
Find volume and Surface area

Cone $V = \frac{1}{3}\pi\Gamma^2h$ Curved surface $= \pi\Gamma L$ Sphere $V = \frac{4}{3}\pi\Gamma^3$ Sphere Surface area $= 4\pi\Gamma^2$

$$Vol = Cone + Hemisphere$$

$$\frac{1}{3}\pi r^{2}h + \frac{2}{3}\pi r^{3}$$

$$\frac{1}{3}*\pi \times 5^{2} \times 12 + \frac{2}{3}*\pi \times 5^{3} = \frac{550\pi}{3} = 576cn^{3}$$



Find volume and Surface area

A tin of paint covers 4.2 m and costs t 2.30. How much will it cost to paint all faces of the cuboid?

Sand costs £1.44 per m3. How much will it ast to fell cospiel.

Volume = 8x6x3 = 144m3 Front 8x6 = 48 Surface Aren Top 8x3 = 24 For 6x3 = 18 $90 \times 2 = 180 \text{ m}^2$

Cost of paint

180 = 4.2 = 42.85 = 43 Ems 43x £2.30 = £98.90

144 x £1.44 = £207.36 Cost of Sand

