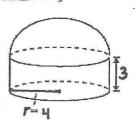
75 The top of the cylindrical container shown has the shape of a hemisphere. The total volume of the container is 284.843



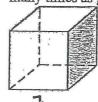
V(yeinder) V=π(4)2(3) 48π

$$V = \left(\frac{4 \pi (4)^3}{3}\right) \frac{1}{2}$$
+  $\frac{128 \pi}{3} = \frac{272 \pi u^3}{3}$ 

76 Find the surface area of a sphere that has a diameter of 12 cm. Express your answer in terms of

Y = 10

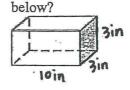
77 The dimensions of the right cube shown below are doubled. The volume of the new prism is how many times as great as the original prism?





$$\frac{0}{b} = \frac{1}{2} - \frac{3}{6^3} = \frac{1}{8}$$

78 What is the surface area of the right prism shown



B=10(3) P=2(10)+2(3) =30 =24

S=Pn+2B

6 = 36(3) + 2(30)

