

12= 5 K

r=1.3

Page 1

diameter =
$$1.3 \times 2 = 2.6$$

 $2.6 = 26 = 2\frac{1}{10} = 2\frac{3}{5}$
i. the diameter of the ball
is approximately $2\frac{3}{5}$ inches







 What is the surface area of the hemisphere to the nearest tenth of a square centimetre?

 $5A = 3\pi r^{2}$ $5A = 3\pi (4^{2})$ $5A = 48\pi$ $5A = 150.8 \text{ cm}^{2}$ 2. What is the volume of the hemisphere to the nearest tenth of a cubic centimetre?

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

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

$$V = 134.0 \text{ cm}^{3}$$

Lesson 9 Homework: WS 10-1-9 "Surface Area & Volume of a Sphere"

Page 2