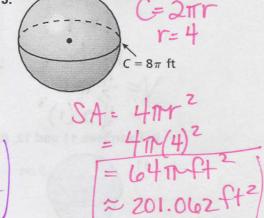
## **Practice WS**

In Exercises 1-3, find the surface area of the sphere. 1. 2. 10 mm 2 in.

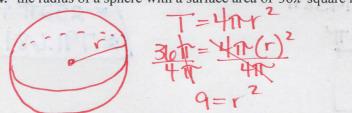
$$T = 4 \text{ M}^2$$
  
=  $\frac{1}{2} \text{ m}(2)^2$   
=  $16 \text{ m}^2$  in  $2 \text{ m}^2$   
 $\approx 50.265 \text{ in}^2$ 

314.159 mm2

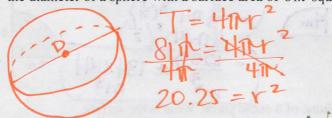


In Exercises 4 and 5, find the indicated measure. Draw and label a figure.

4. the radius of a sphere with a surface area of  $36\pi$  square meters



5. the diameter of a sphere with a surface area of  $81\pi$  square yards



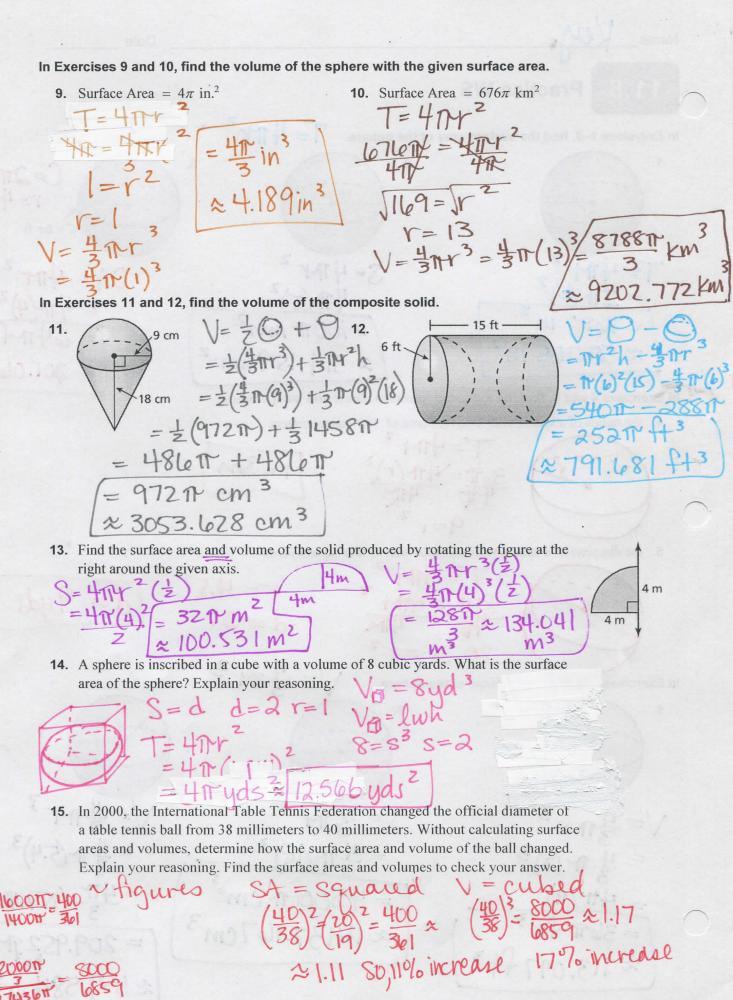
8.

In Exercises 6-8, find the volume of the sphere.

6.

30 cm = 411 (15)3 214137.167cm3

10.8 m = 41 (5.4)3



 $V_{\text{NEW}} = \frac{32000 \text{ P}}{3} = \frac{5000}{10859}$