**12-6 Skills Practice and Practice**

***Volumes of Spheres***

**Find the volume of each sphere or hemisphere. Round to the nearest tenth.**

** 1. 2.**

 **3.** hemisphere: diameter = 48 yd

 **4.** sphere: circumference of a great circle ≈ 26 m

 **5.** sphere: diameter = 10 in.

** 6. 7.**

 **8.** hemisphere: diameter = 18 mm

 **9.** sphere: circumference ≈ 36 yd

 **10.** sphere: radius = 12.4 in.

 **11.** Find the air capacity (volume) of a basketball with a radius of 4.75 inches. Give your answer in cubic inches and

 cubic centimeters. (2.54 centimeters = 1 inch)