**12-3 Skills Practice**

***Surface Areas of Pyramids and Cones***

**Find the lateral area and surface area of each regular pyramid. Round to the nearest tenth if necessary.**

** 1. 2.**

** 3. 4.**

**Find the lateral area and surface area of each cone. Round to the nearest tenth.**

** 5. 6.**

** 7. 8.**

***Surface Areas of Spheres***

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

** 1. 2.**

 **3.** hemisphere: radius of great circle = 8.4 in.

 **4.** sphere: area of great circle ≈ 29.8 $m^{2}$

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

** 5. 6.**

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

 **8.** sphere: circumference ≈ 36 yd

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