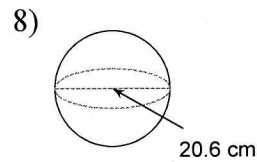
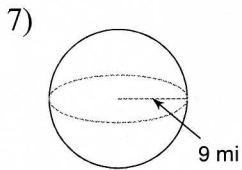
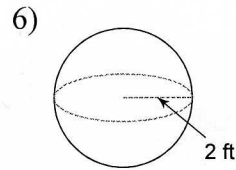
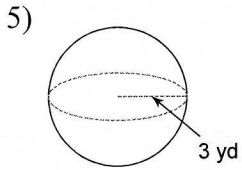
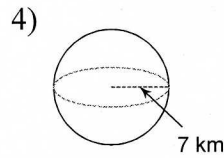
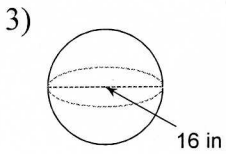
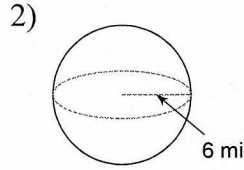
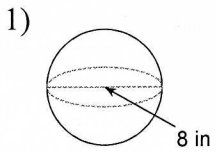


13-6 Spheres (ver1)_hw

Find the volume of each figure. Round your answers to the nearest tenth, if necessary.



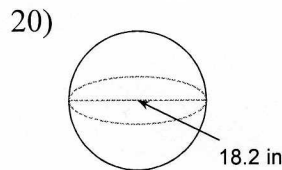
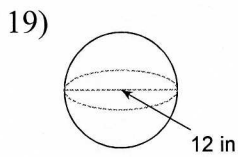
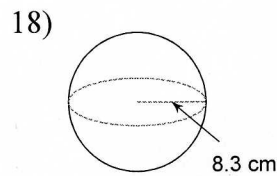
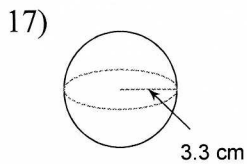
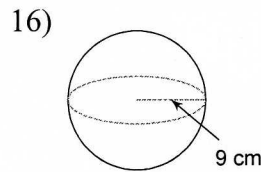
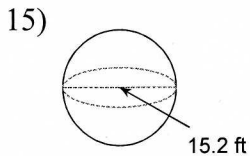
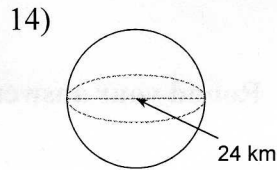
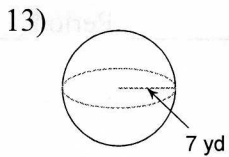
9) A sphere with a diameter of 6 mi.

10) A sphere with a radius of 8 in.

11) A sphere with a radius of 1 mi.

12) A sphere with a diameter of 3.8 in.

Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.



21) A sphere with a radius of 2.6 km.

22) A sphere with a diameter of 8.8 m.

23) A sphere with a diameter of 21.6 mi.

24) A sphere with a radius of 5 in.

Answers to 13-6 Spheres (ver1)_hw

1) 268.1 in³
 5) 113.1 yd³
 9) 113.1 mi³
 13) 615.8 yd³
 17) 136.8 cm³
 21) 84.9 km³

2) 904.8 mi³
 6) 33.5 ft³
 10) 2144.7 in³
 14) 1809.6 km³
 18) 865.7 cm³
 22) 243.3 m³

3) 2144.7 in³
 7) 3053.6 mi³
 11) 4.2 mi³
 15) 725.8 ft³
 19) 452.4 in³
 23) 1465.7 mi³

4) 1436.8 km³
 8) 4577.2 cm³
 12) 28.7 in³
 16) 1017.9 cm³
 20) 1040.6 in³
 24) 314.2 in³