Geometric Measurement Worksheet 2

1. Find the volume of a sphere of radius 9 cm.

2. Find the volume of a sphere of radius 17 mm.

3. Find the radius of a sphere with a volume of 1000 cm^3.

4. Find the radius of a sphere with a volume of 5000 mi^3.

5. Find the volume of a hemisphere with a radius of 10 cm.

6. Find the volume of a hemisphere with a diameter of 22.7 ft.

7. Find the radius of a hemisphere with a volume of 5.0 m^3.

8. Derive the formula for the volume of a regular tetrahedron with an edge length of e. (Hint: use the volume of a pyramid, $V = \frac{1}{3}Bh$.)

9. Find the volume of a tetrahedron with edge 12 mm.

10. Find the volume of a tetrahedron with edge 100 m.