Geometric Measurement Worksheet 2

- 1. Find the volume of a sphere of radius 9 cm.
- 6. Find the volume of a hemisphere with a diameter of 22.7 ft.
- 2. Find the volume of a sphere of radius 17 mm.
- 7. Find the radius of a hemisphere with a volume of 5.0 m^3 .
- 3. Find the radius of a sphere with a volume of 1000 cm^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, $V = \frac{1}{3}Bh$.)
- 4. Find the radius of a sphere with a volume of 5000 mi^3 .
- 9. Find the volume of a tetrahedron with edge 12 mm.
- 5. Find the volume of a hemisphere with a radius of 10 cm.
- 10. Find the volume of a tetrahedron with edge 100 m.

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