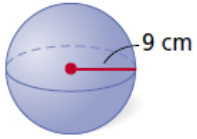


## Geometry: 10-8 Notes (Volume)

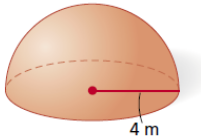
### Formula for Volume of a Sphere:

#### Examples:

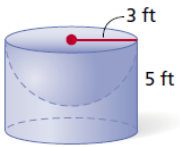
- 1) Find the volume of the sphere.



- 2) Find the volume of the hemisphere.



- 3) Find the volume of the composite figure.



- 4) Find the volume of a sphere that has a surface area of  $6724\pi \text{ ft}^2$ . Leave in terms of  $\pi$ .

- 5) Find the radius of a hemisphere with a volume of  $288\pi \text{ cm}^3$ .