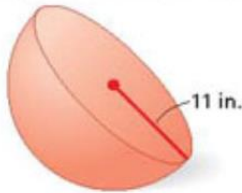


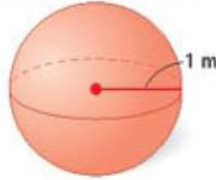
Day 5 Volume of Spheres HW
pg. 770: 2-4, 13, 15, 24, 26, 35

Find each measurement. Give your answers in terms of π .

2. the volume of the hemisphere



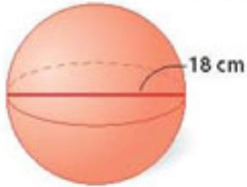
3. the volume of the sphere



4. the radius of a sphere with volume $288\pi \text{ cm}^3$

Find each measurement. Give your answers in terms of π .

13. the volume of the sphere



14. the volume of the hemisphere



15. the diameter of a sphere with volume $7776\pi \text{ in}^3$

24. Find the radius of a hemisphere with a volume of $144\pi \text{ cm}^3$.

26. Find the volume of a sphere with a circumference of $36\pi \text{ ft}$.

35. How many times as great is the volume of Jupiter as the volume of Earth?

Planet	Diameter (mi)
Mercury	3,032
Venus	7,521
Earth	7,926
Mars	4,222
Jupiter	88,846
Saturn	74,898
Uranus	31,763
Neptune	30,775