

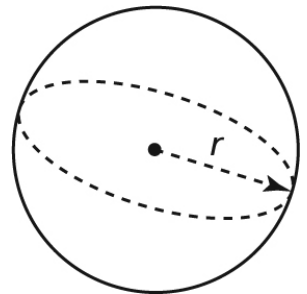
Sec. 1.6- Surface Area & Volume of a Sphere

1. The diameter of a softball is approximately 4 in.

Determine the surface area of a softball to the nearest square inch.

2. The surface area of a soccer ball is approximately 250 square inches.

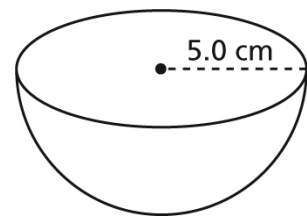
What is the diameter of a soccer ball to the nearest tenth of an inch?



- 3.** The moon approximates a sphere with diameter 2160 mi.
What is the approximate volume of the moon?

- 4.** A hemisphere has radius 5.0 cm.

- a)** What is the surface area of the hemisphere to the nearest tenth of a square centimetre?



- b)** What is the volume of the hemisphere to the nearest tenth of a cubic centimetre?