Independent Practice
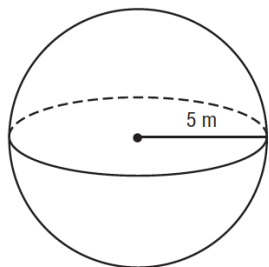
Find the volume of the sphere below. Round your answer to the nearest tenth.
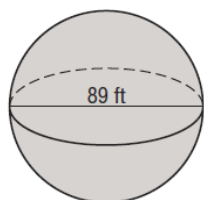

$$V = \frac{4}{3}\pi\, r^3$$

$$V = \frac{4}{3}\pi\, (\,5\,)^3$$
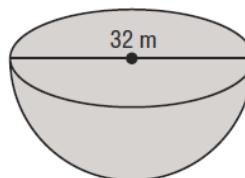
V = $\underline{166.67\pi\text{ m}^3}$ V = $\underline{523.60\text{ m}^3}$

In terms of π Decimal (nearest hundreth)

Find the volume of the spheres below. Round your answer to the nearest tenth.

89 ft

$\boxed{369120.9\text{ ft}}$

32 m

$\boxed{17157.3\text{ m}^3}$

The volume, in cubic centimeters, of a sphere whose diameter is 6 centimeters is
1) 12π
2) 36π ⟵ circled
3) 48π
4) 288π

The volume of a sphere is approximately 44.6022 cubic centimeters. What is the radius of the sphere, to the *nearest tenth of a centimeter*?
1) 2.2 ⟵ circled
2) 3.3
3) 4.4
4) 4.7

The diameter of a basketball is approximately 9.5 inches and the diameter of a tennis ball is approximately 2.5 inches. The volume of the basketball is about how many times greater than the volume of the tennis ball?

(1) 3591   (3) 55 ⟵ circled
(2) 65   (4) 4