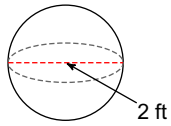


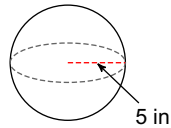
Unit 8.5 Surface area and Volume of Spheres EXAMPLES

Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

1)

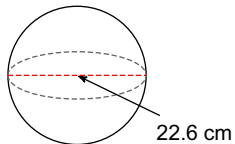


2)

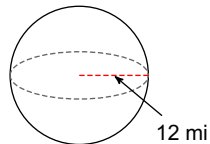


Find the surface area of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

3)

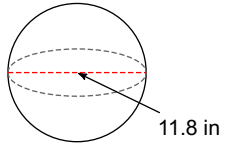


4)

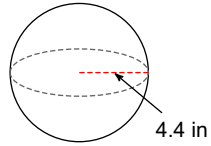


Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

5)

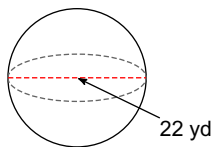


6)

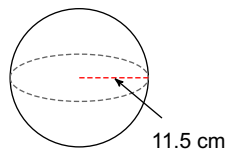


Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

7)



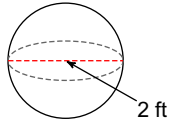
8)



Unit 8.5 Surface area and Volume of Spheres EXAMPLES

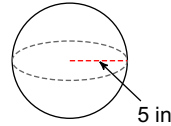
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

1)



$$12.6 \text{ ft}^2$$

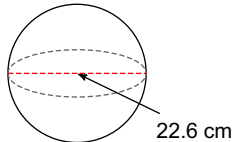
2)



$$314.2 \text{ in}^2$$

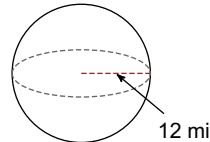
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

3)



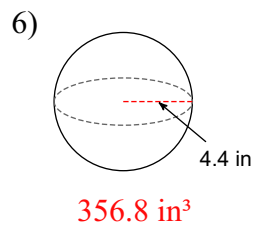
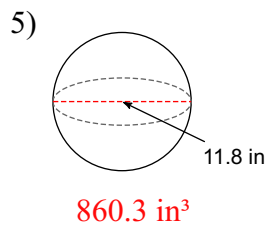
$$510.8\pi \text{ cm}^2$$

4)



$$576\pi \text{ mi}^2$$

Find the volume of each figure. Round your answers to the nearest tenth, if necessary.



Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

