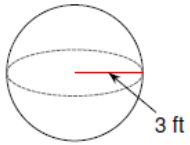


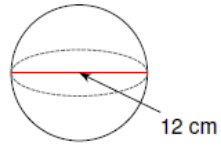
# Spheres

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

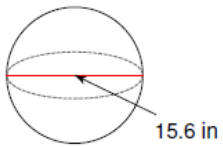
1)



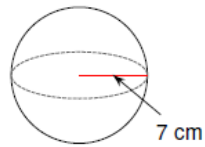
2)



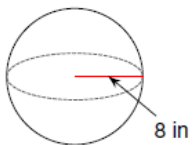
3)



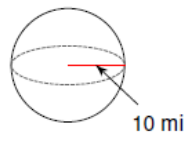
4)



5)



6)



7) A sphere with a diameter of 6.2 in.

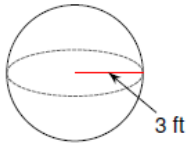
8) A sphere with a radius of 10 mi.

## Answers

### Spheres

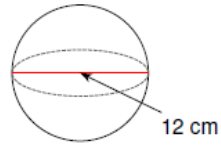
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

1)



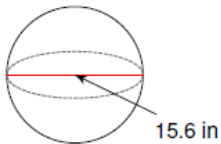
$$113.1 \text{ ft}^2$$

2)



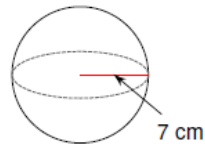
$$452.4 \text{ cm}^2$$

3)



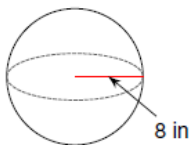
$$764.5 \text{ in}^2$$

4)



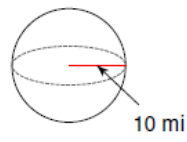
$$615.8 \text{ cm}^2$$

5)



$$804.2 \text{ in}^2$$

6)



$$1256.6 \text{ mi}^2$$

7) A sphere with a diameter of 6.2 in.

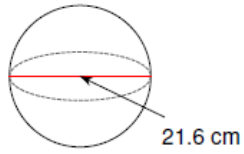
$$120.8 \text{ in}^2$$

8) A sphere with a radius of 10 mi.

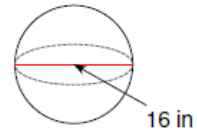
$$1256.6 \text{ mi}^2$$

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

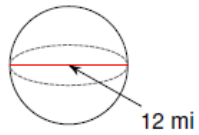
9)



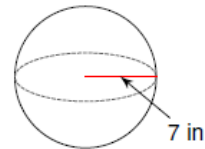
10)



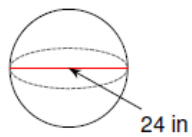
11)



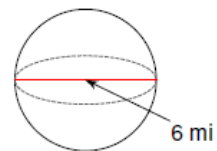
12)



13)



14)



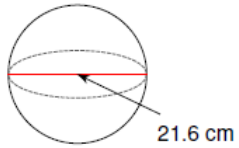
15) A sphere with a diameter of 2 m.

16) A sphere with a diameter of 10 ft.

## Answers

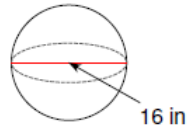
Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

9)



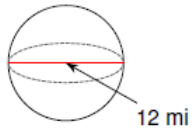
$$5276.7 \text{ cm}^3$$

10)



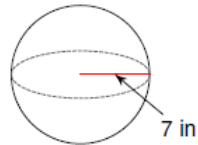
$$2144.7 \text{ in}^3$$

11)



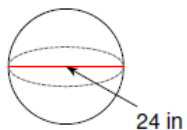
$$904.8 \text{ mi}^3$$

12)



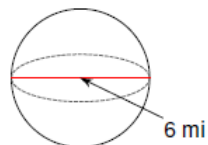
$$1436.8 \text{ in}^3$$

13)



$$7238.2 \text{ in}^3$$

14)



$$113.1 \text{ mi}^3$$

15) A sphere with a diameter of 2 m.

$$4.2 \text{ m}^3$$

16) A sphere with a diameter of 10 ft.

$$523.6 \text{ ft}^3$$