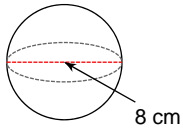


Assignment

Date _____ Period _____

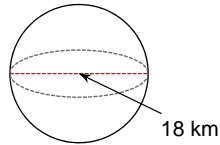
Find the surface area of each sphere. Round your answers to the nearest tenth, if necessary.

1)



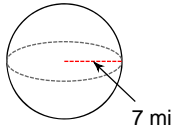
$$201.1 \text{ cm}^2$$

2)



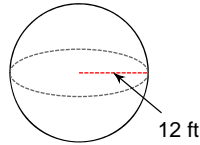
$$1017.9 \text{ km}^2$$

3)



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

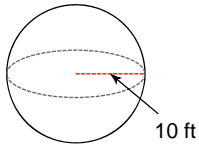
4)



$$1809.6 \text{ ft}^2$$

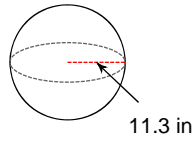
Find the volume of each sphere. Round your answers to the nearest tenth, if necessary.

5)



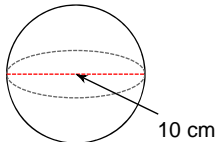
$$4188.8 \text{ ft}^3$$

6)



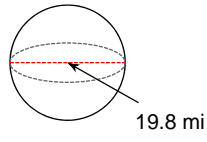
$$6044 \text{ in}^3$$

7)



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

8)



$$4064.4 \text{ mi}^3$$

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

9) A sphere with a diameter of 24 mi.

$$1809.6 \text{ mi}^2$$

10) A sphere with a radius of 9 in.

$$1017.9 \text{ in}^2$$

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

11) A sphere with a radius of 2 cm.

$$33.5 \text{ cm}^3$$

12) A sphere with a diameter of 12 yd.

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