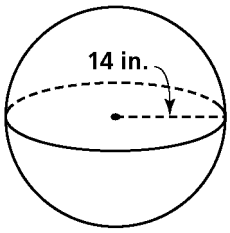
Name_____ Class_____ Date_____

Practice 11-6

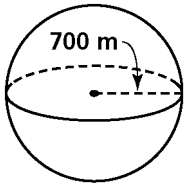
Surface Areas and Volumes of Spheres

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

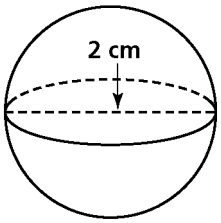
1.



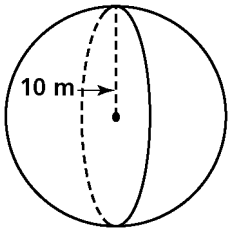
2.



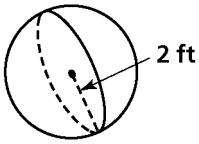
3.



4.



5.



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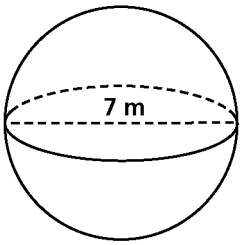
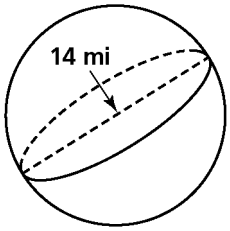
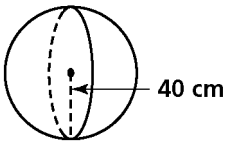


Find the volume of each sphere. Round your answers to the nearest tenth.

7.



8.



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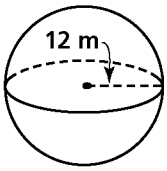

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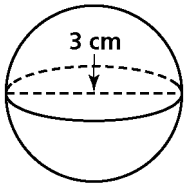
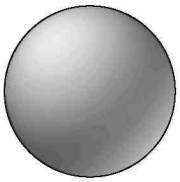
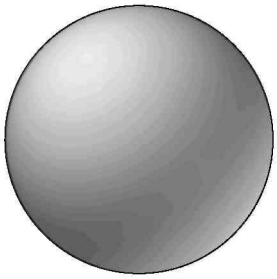


11.



S.A. = 90,790 cm^2

12.



S.A. = 45,240 yd^2

The volume of each sphere is given. Find the surface area. Round your answers to the nearest whole number.

13. $V = 1200\ ft^3$

14. $V = 750\ m^3$

15. $V = 4500\ cm^3$

Use the given circumference to approximate the volume of each object. Round your answers to the nearest whole number.

16. a baseball with $C = 24$ cm

17. a basketball with $C = 75$ cm

18. a volleyball with $C = 69$ cm

19. a golf ball with $C = 13.5$ cm

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