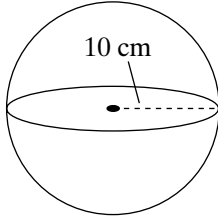


# Practice 8-8

## Spheres

Find each sphere's surface area and volume to the nearest whole number.

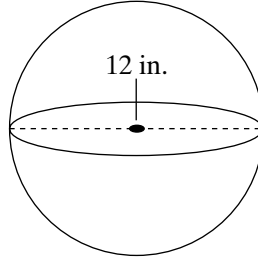
1.



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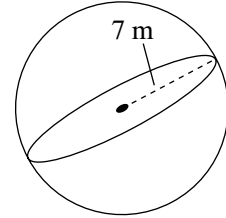
2.



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\_\_\_\_\_

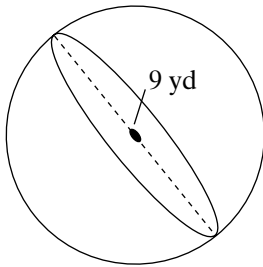
3.



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\_\_\_\_\_

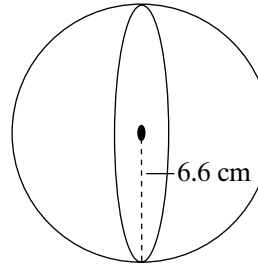
4.



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\_\_\_\_\_

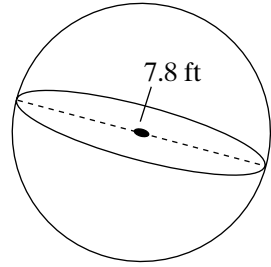
5.



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6.



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7. A sphere has a radius of 9 ft. Find its surface area to the nearest whole square unit.

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8. A geography professor has a spherical globe with a diameter of 14 in. What is the volume of the globe?

\_\_\_\_\_

9. Jenny has four marbles that are all of different sizes and colors. They have diameters of 18 mm, 19 mm, 21 mm, and 24 mm. What is the average surface area of the four marbles?

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