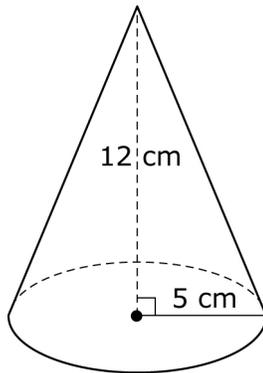


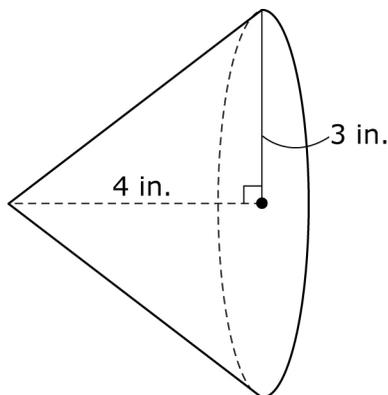
## Section 1.4 Extra Practice

1. Calculate the slant height of each cone.

a)

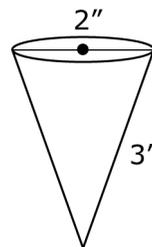


b)

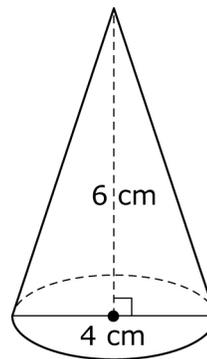


2. Calculate the area of the base of each cone in #1, to the nearest tenth of a square unit.
3. Calculate the area of the curved surface for each cone in #1, to the nearest tenth of a square unit.
4. Calculate the surface area for each cone in #1, to the nearest tenth of a square unit.

5. A funnel is a cone with no top. The funnel shown has a diameter of 2 inches and a slant height of 3 inches. What is the outer surface area of the funnel, to the nearest hundredth of a square inch?

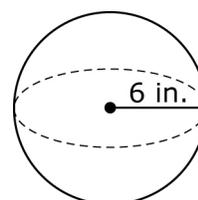


6. A cone-shaped truffle is dipped in chocolate. The truffle has a diameter of 4 cm and a height of 6 cm. What is the surface area of the chocolate-dipped truffle, to the nearest hundredth of a square centimetre?

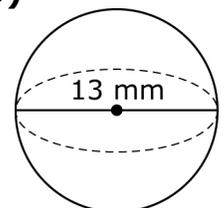


7. Calculate the surface area of each sphere, to the nearest hundredth of a square unit.

a)



b)



Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 1-8**  
(continued)

- 8.** One type of basketball has a radius of 4.7 inches. Calculate the surface area of the basketball, to the nearest hundredth of a square inch.
- 9.** One type of soccer ball has a diameter of 23 cm. A soccer ball can be made up of 20 white and 12 black panels.



- a)** Calculate the surface area of the soccer ball, to the nearest square centimetre.
- b)** Calculate the total white surface area of a soccer ball, to the nearest square centimetre.
- c)** Calculate the total black surface area of the soccer ball, to the nearest square centimetre.

