1. Calculate the surface area of each shape.

2. Calculate the surface area of a tennis ball with a radius of 3.0 cm.

3. Calculate the surface area of a soccer ball with a radius of 12 cm.

4. Calculate the surface area of a sphere with a radius of 5 cm.

5. Calculate the surface area of a cylinder with a radius of 4 cm and a height of 10 cm.

6. Ice cream is sold in stores in cylindrical containers as shown. Each ice cream cone will hold 1 scoop of ice cream. (a) How much money will your store make if it sells 300 cones? (b) How many cones can you fill with 1 scoop of ice cream?

7. A balloon with a radius of 5 cm contains 3 liters of water. If each liter of water expands by 1/10 of its original volume when inflated in a balloon, what is the surface area of the balloon?

8. The surface area of the head of a tennis player is about 25 square inches. If the head is covered with a helmet, how much area is protected by the helmet?

9. A sphere has a volume of 36π cubic units. What is the surface area of the sphere?

10. A cube has a side length of 4 cm. What is the surface area of the cube?

11. A pyramid has a base that is a square with sides of length 6 cm. The height of the pyramid is 8 cm. What is the surface area of the pyramid?

12. A cylinder has a radius of 3 cm and a height of 12 cm. What is the surface area of the cylinder?

13. Determine the surface area of the tent.

14. Include the floor in your calculation.