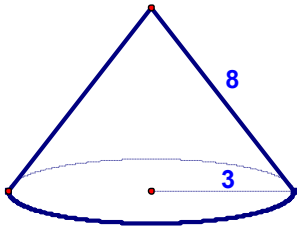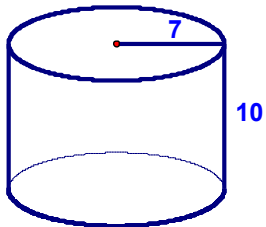2a.

Find the lateral area and the total area of the solid shown.

2b.

Find the lateral area and the total area of the solid shown.

2c.

Find the lateral area and the total area of the solid shown.

2d.

Find the lateral area and the total area of the solid shown.
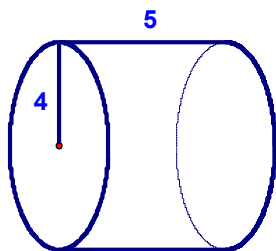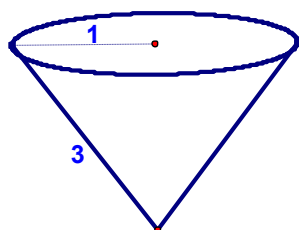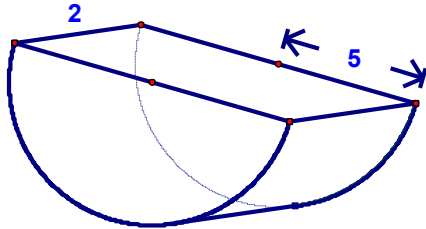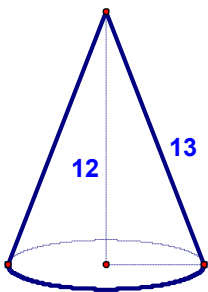
6.

Find the total (including the rectangular face) surface area of a half cylinder with a radius of 5 and a height of 2.
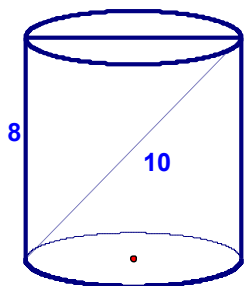
7a.

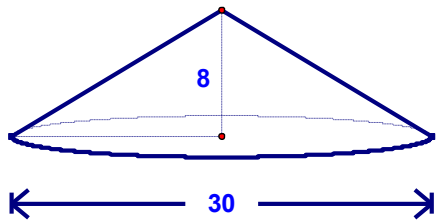**Find the lateral area and the total area of the solid shown.**

7b.
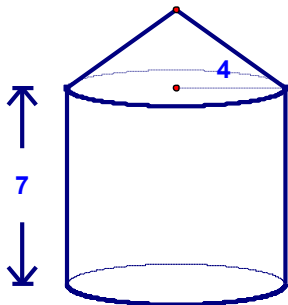
Find the lateral area and the total area of the solid shown.

7c.

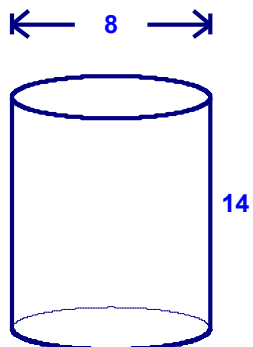**Find the lateral area and the total area of the solid shown.**

8

30

8.

The total height of the tower shown is 10 m. If one liter of paint will cover an area of 10 m², how many 1 liter cans of paint are needed to paint the entire tower? All measurements are in meters. (Hint: First find the total area to be painted, using 3.14 for π)
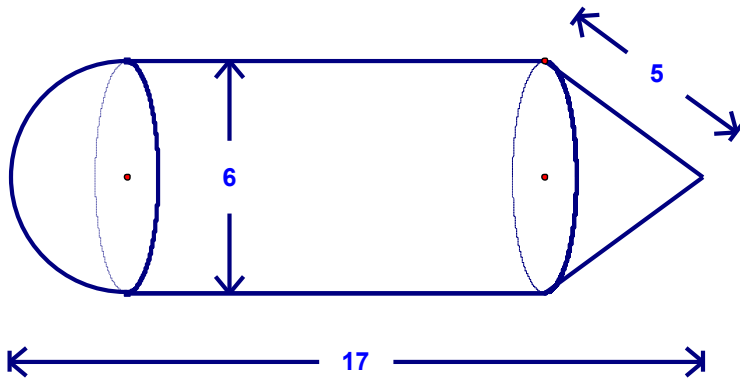
4

7

9.

What size label (length and width) will just fit on a can 8 cm in diameter and 14 cm high?
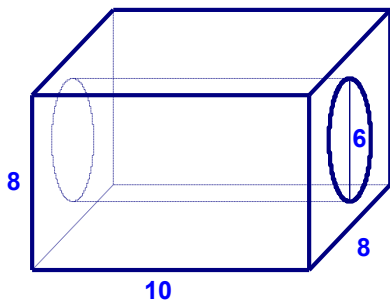
8

14

10.

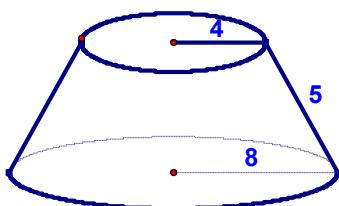**Find the total area of the solid.**

12.

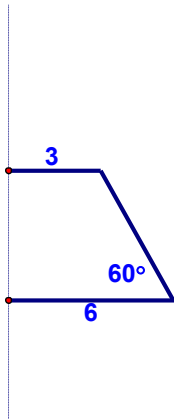**Find the total surface area of the solid shown, including the surface inside the hole.**

13.

The solid shown is called a frustum of a cone. Find its total area if the radii of the top and bottom bases are 4 and 8 respectively, and the slant height is 5.
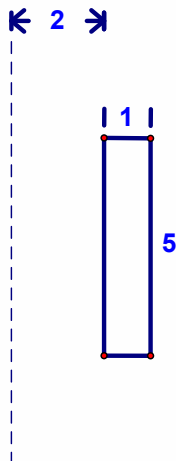
14a.

Identify the surface of rotation generated in the diagram below and compute its total surface area.

14b.

Identify the surface of rotation generated in the diagram below and compute its total surface area.

14c.

Identify the surface of rotation generated in the diagram below and compute its total surface area.