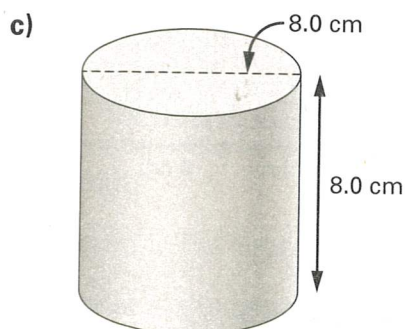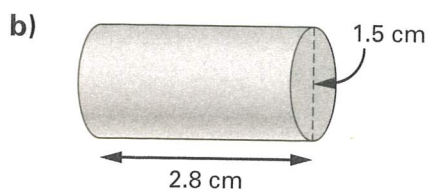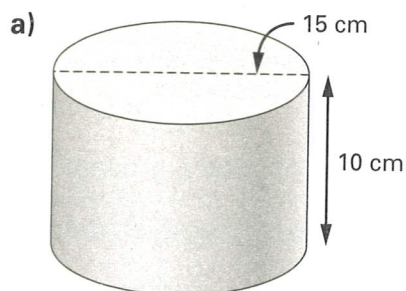# Test Yourself

1. Calculate the surface area of each cylinder.

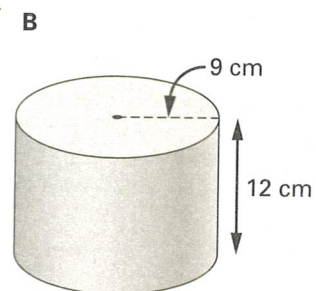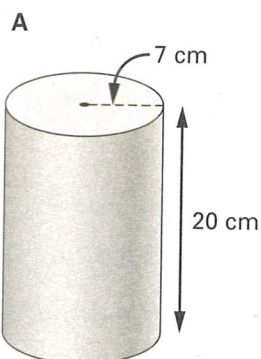   a)

   15 cm
   10 cm

   b)

   1.5 cm
   2.8 cm

   c)

   8.0 cm
   8.0 cm

   d)

   3.3 cm
   2.2 cm
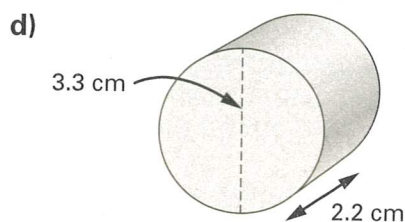
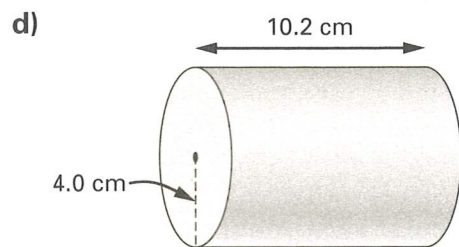2. Use the net to find the surface area of the cylinder.
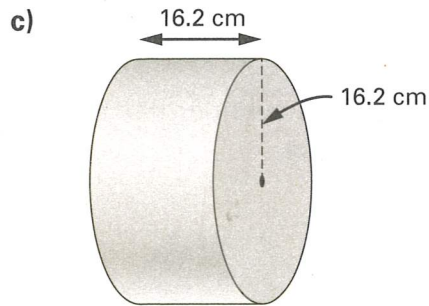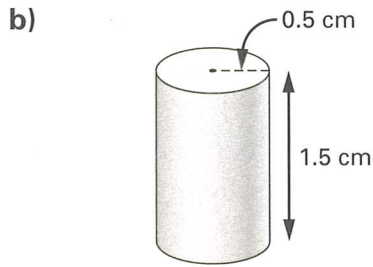

   4 cm
   9 cm
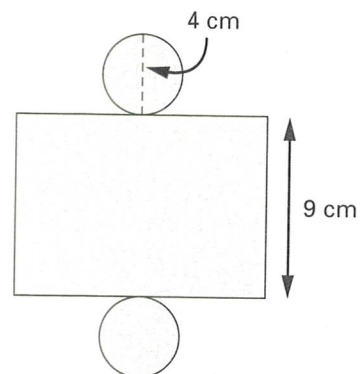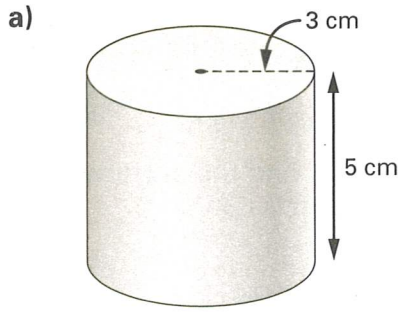
3. A cylinder has a radius of 15.5 cm and a height of 7.5 cm. Calculate the surface area.

4. Estimate which cylinder has the greatest volume.

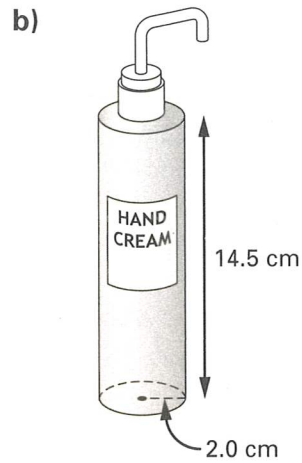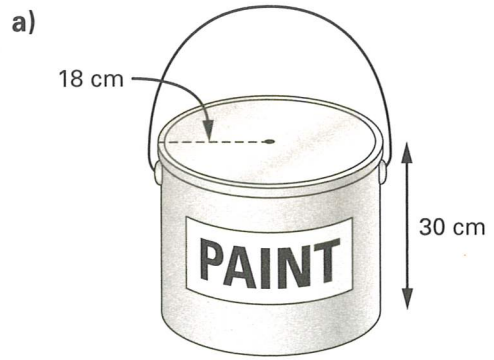   A

   7 cm
   20 cm

   B

   9 cm
   12 cm

5. A circular swimming pool has a diameter of 7.4 m, and a height of 2.4 m. What is the volume of the pool?

6. Calculate the volume of each cylinder.

a)

3 cm

5 cm

b)

0.5 cm

1.5 cm

c)

16.2 cm

16.2 cm

d)

10.2 cm

4.0 cm

7. Determine the volume of each object.

a)

18 cm

30 cm

PAINT

b)

HAND CREAM

14.5 cm

2.0 cm

8. Calculate the volume of the figure below.

8 cm

6 cm

9 cm   12 cm   6 cm
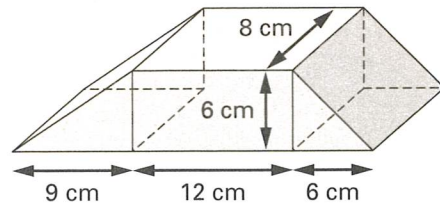
9. Show that Euler's formula works for the following figure.