PERIMETER, AREA & VOLUME 3
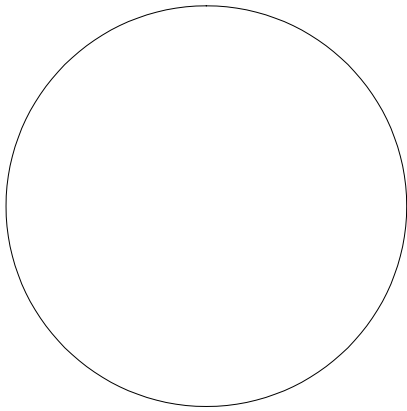
1. Find the perimeter (P) and area (A) of each figure. Measure in centimetres.
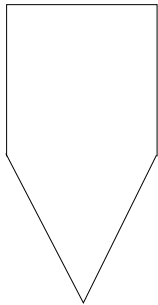
    a.

    a. P = _____

    A = _____
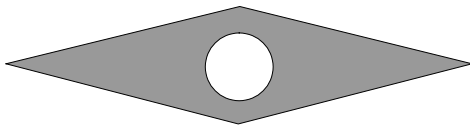
    b. P = _____

    b.
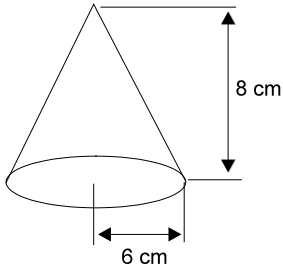
    A = _____

2. Find the area of the shaded figure.
    _____

3. Find the volume (V) of the cone in cm³. _____

8 cm

6 cm

4. Find the volume of the cylinder. _____
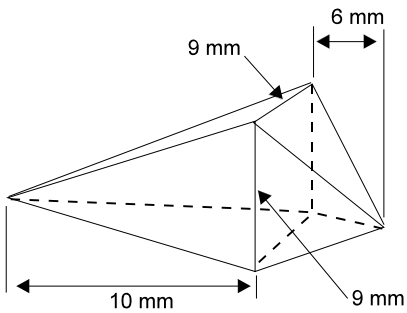
2 cm
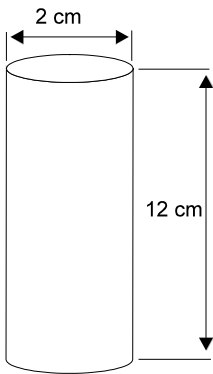
12 cm

5. Find the volume of a sphere with a diameter of 8 cm. _____

6. Find the volume of the solid.

6 mm

9 mm

10 mm   9 mm

ANSWER KEY

(Answers may vary due to printing of diagrams)

1. a. P = 16.3 cm, A = 21.2 cm^2 b. P = 10.6 cm, A = 6 cm^2

2. 4.1 cm^2

3. 301.4 cm^3

4. 37.7 cm^3

5. 267.9 cm^3

6. 432 mm^3

Source: Government of BC used with permission.