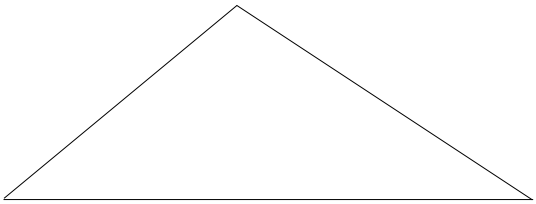
Perimeter, Area, Volume

Source: Government of BC used with permission.

PERIMETER, AREA & VOLUME 1

1. Find the perimeter (P) and area (A) of each figure below. Measure in centimetres.

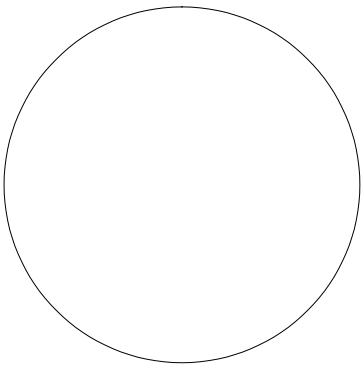
a.



a. P = _____

A = _____

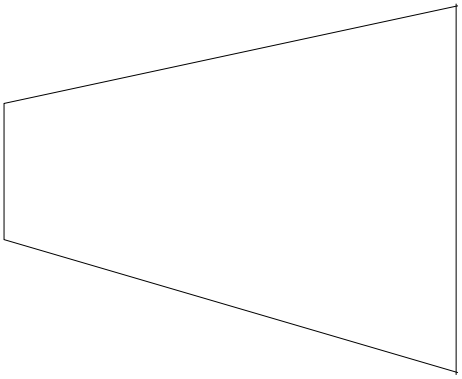
b.



b. P = _____

A = _____

c.



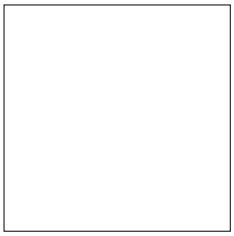
c. P = _____

A = _____

d. P = _____

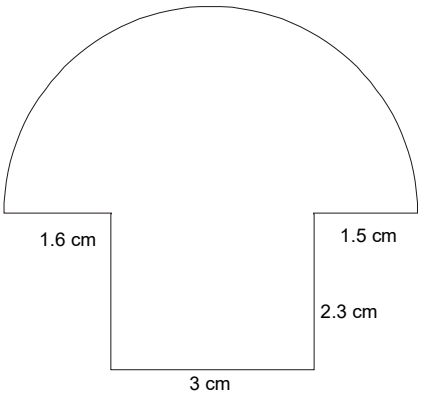
A = _____

d.

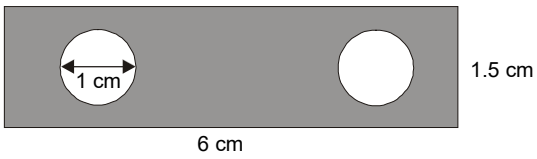


e. e. P = _____

A = _____



2. Find the area of the shaded figure. _____



ANSWER KEY

(Answers may vary due to printing of diagrams)

1. a. P = 15.7 cm, A = 8.8 cm^2

   b. P = 14.4 cm, A = 16.6 cm^2

   c. P = 19.2 cm, A = 20.7 cm^2

   d. P = 12 cm, A = 9 cm^2

   e. P = 20.1 cm, A = 21.3 cm^2

2. 7.4 cm^2

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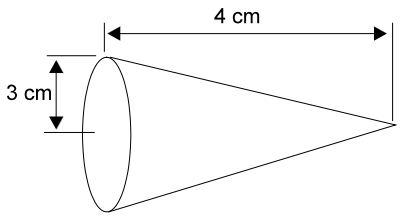
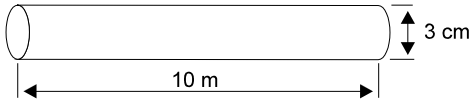
PERIMETER, AREA & VOLUME 2

1. Find the volume (V) of the cone. _____

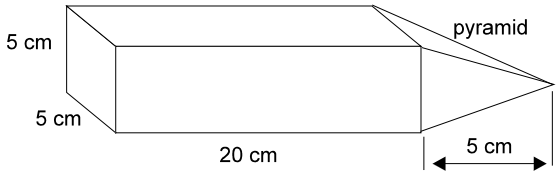


2. Find the volume of the cylinder in cm^3. _____



3. Find the volume of a sphere with a diameter of 4 cm. _____

4. Find the volume of the solid. _____



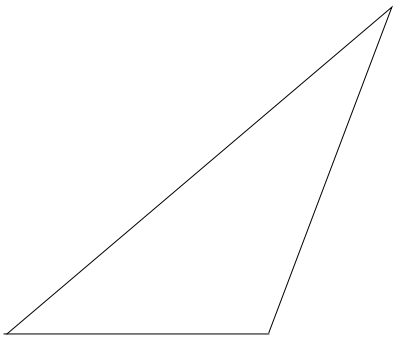
5. Find the perimeter (P) and area (A) of each figure. Measure in centimetres.

a.

a. P = _____

A = _____

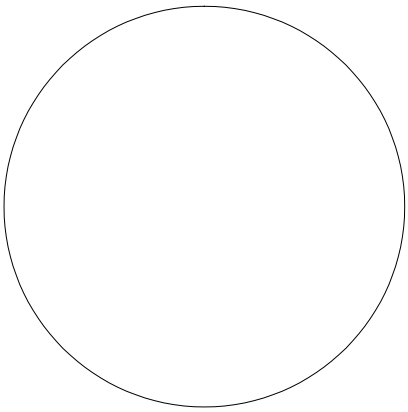
b.



b. P = _____

A = _____

c.



c. P = _____

A = _____

ANSWER KEY

(Answers may vary due to printing of diagrams)

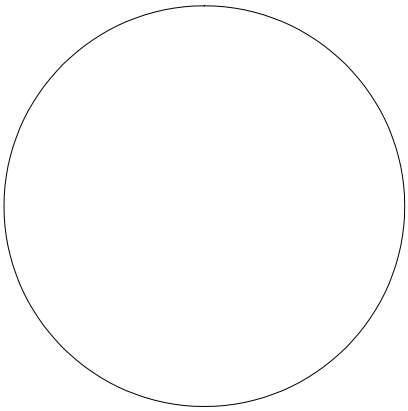
1. 37.7 cm^3
2. 7065 cm^3
3. 33.5 cm^3
4. 541.6 cm^3
5. a. P = 16 cm, A = 15 cm^2 b. P = 14.9 cm, A = 7.7 cm^2 c. P = 16.3 cm, A = 21.2 cm^2

Source: Government of BC used with permission.

PERIMETER, AREA & VOLUME 3

1. Find the perimeter (P) and area (A) of each figure. Measure in centimetres.

a.

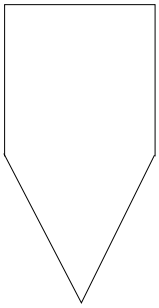


a. P = _____

A = _____

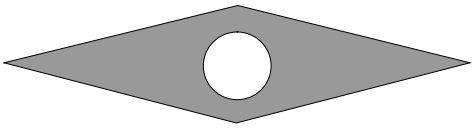
b. P = _____

b.

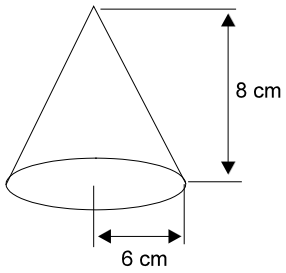


A = _____

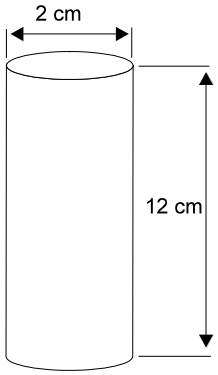
2. Find the area of the shaded figure. _____



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

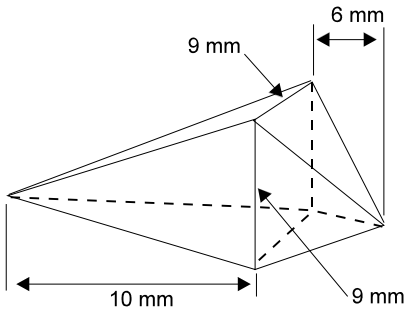


4. Find the volume of the cylinder. _____



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

6. Find the volume of the solid.



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.