**2-dimensions**

Perimeter: The sum of all sides

Area: Square Rectangle or Parallelogram Triangle Circle

Circumference of a Circle (leave all answers in terms of )

Ex. Find the circumference and area of a circle with a diameter of 8 cm.

If , then

Ex. Find the perimeter and area of the following (assume all sides in cm):

Square Rectangle

5

4

9

Triangle Parallelogram

6

4

3

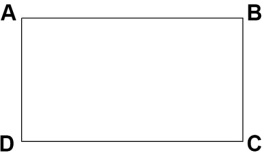
3

5

6

8

Ex. Find the value given the dimensions of the rectangle.



Ex. 2. Find .

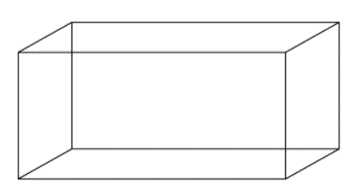
Ex. 1. Find .

**3-dimensions**

Surface Area: Sum of the areas of all sides

Volume: Rectangular Prism Cylinder Cone

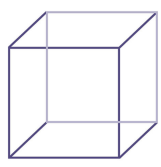
Ex. Find the surface area and volume of the rectangular prisms (assume all sides in cm).



3

2

4



5

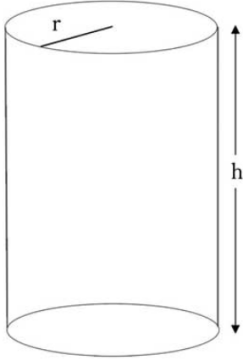
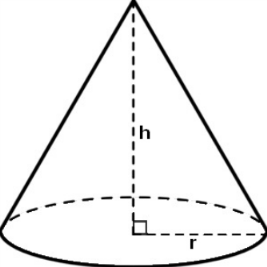
Cube Rectangular Prism

Front/Back Top/Bottom

Left/Right

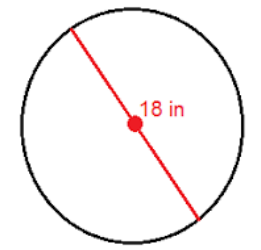
Each side has

Ex. Find the volume. Leave answers in terms of .



Cylinder Cone

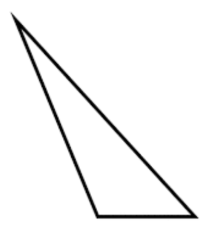
If

You try:

1. Find the area and circumference of the circle.

Find the perimeter and area of the following (assume all sides in cm).

1. Rectangle with base of and a height of .



10

13

15

9

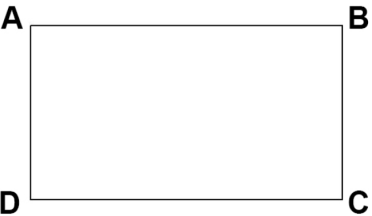
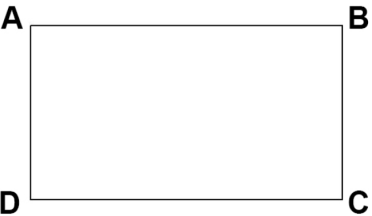
1. Triangle
2. Parallelogram

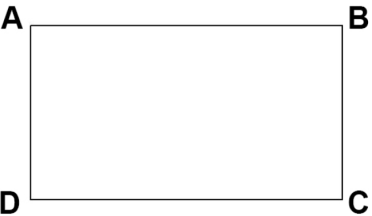
5

9

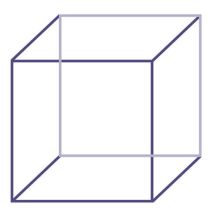
4

For 5-7, find the side length of the rectangle given the dimensions.

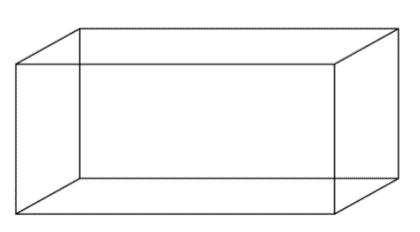
1.  Find
2.  Find



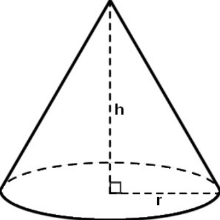
1. Find

Find the surface area and volume.

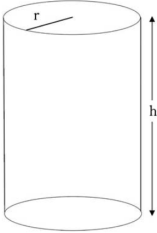
1. Cube with side length of .



1. Rectangular prism with

Find the volume. Leave answers in terms of .

1. Cone with



1. Cylinder with