

Solid Shapes (3D)

Solid shapes (3 dimensional shapes) (3D)

1D :



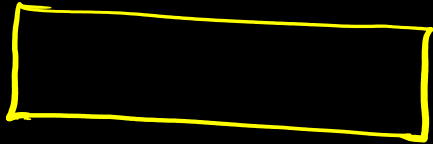
or



Line segment.

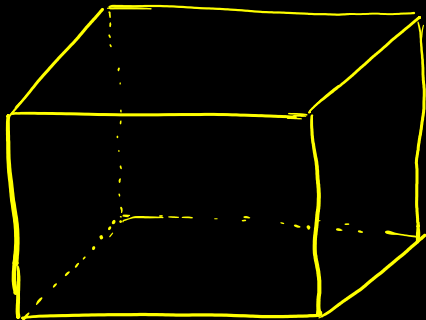
^{only.}
(Length)

2D :
(Planer)



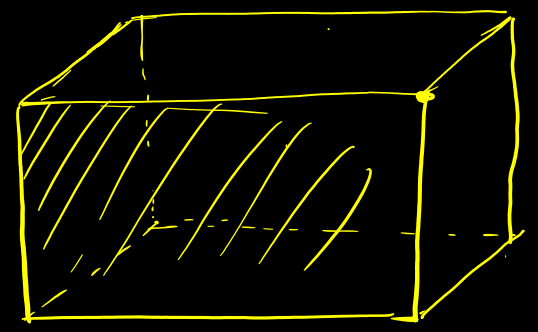
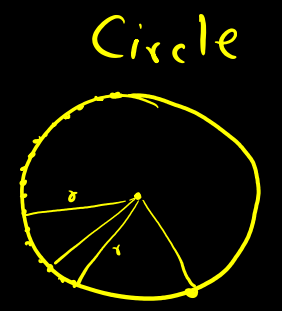
(Length and width)

3D :

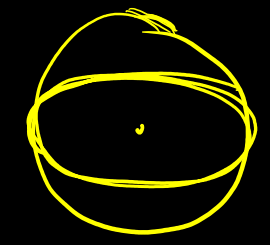


(Length, width and height).

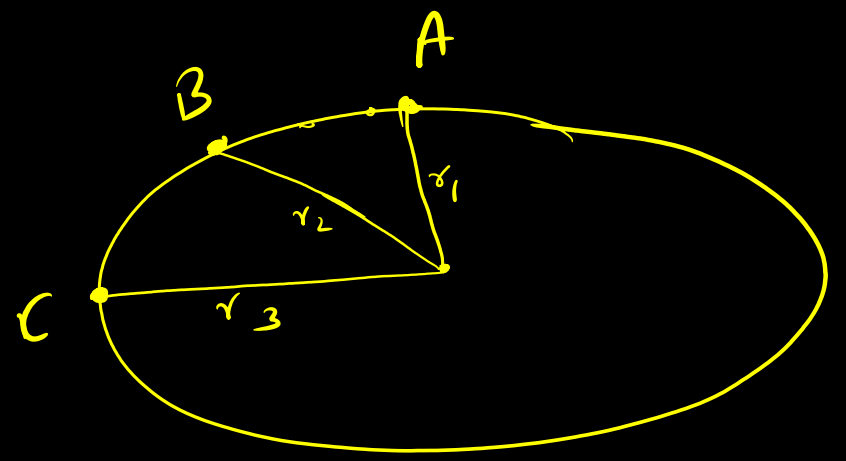
2D



Cuboid



Sphere

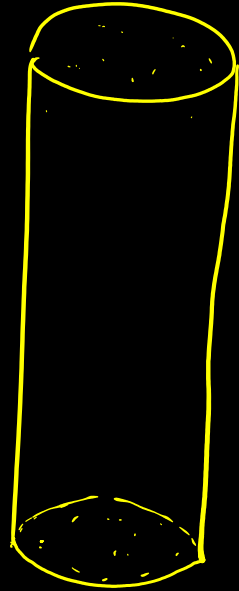




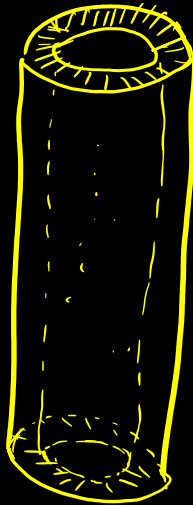
Cylinder



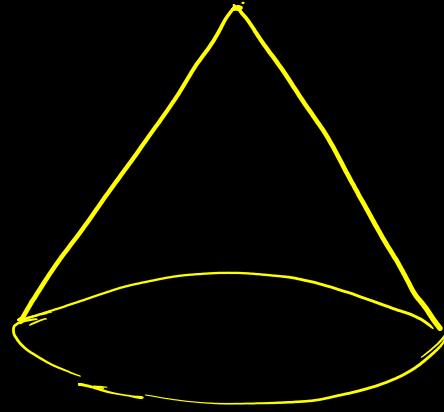
Hollow cylinder



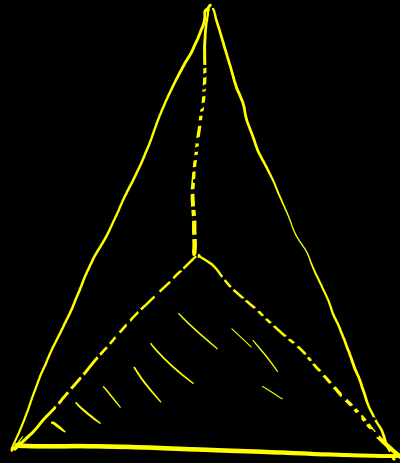
Solid cylinder



Cone



Pyramid



Faces, Edges and Vertices

- ① Cuboid : A cuboid / ^{& a cube} has:
- ② Cube :
- 6 faces
 - 12 edges
 - ⇒ 8 vertices
- ③ Triangular pyramid :
- 4 faces
 - 6 edges
 - 4 vertices

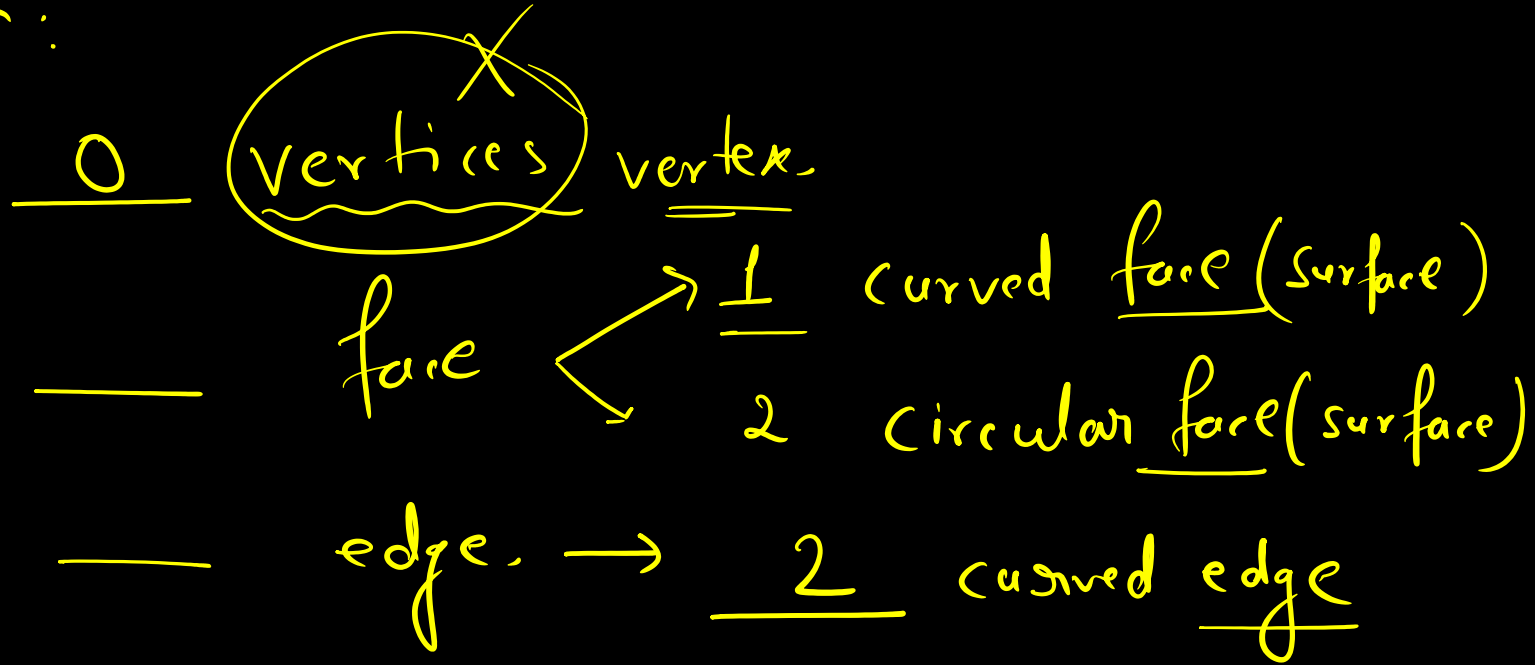
Square Pyramid

5 faces

8 edges

5 vertices

Cylinder:



Cone (Solid)

1

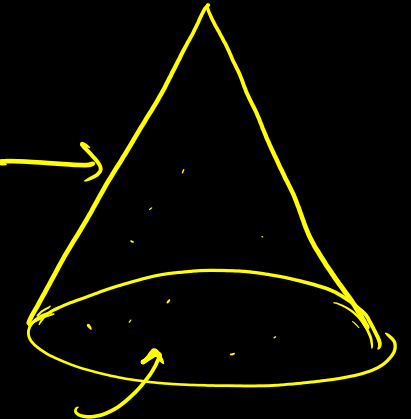
Vertex

2

face (surface)

1 curved surface

1 circular surface



1

edges

→ 1 curved edge

Sphere

0

vertex

1

face (surface)

→ 1 curved surface

0

edge.

Solid Sphere

~~cut~~

cut it into two equal halves.

↓
2. Hemisphere (Solid.)

0 vertex

2

face

1 circular face

1 curved face

1

edge

→ 1 curved edge

