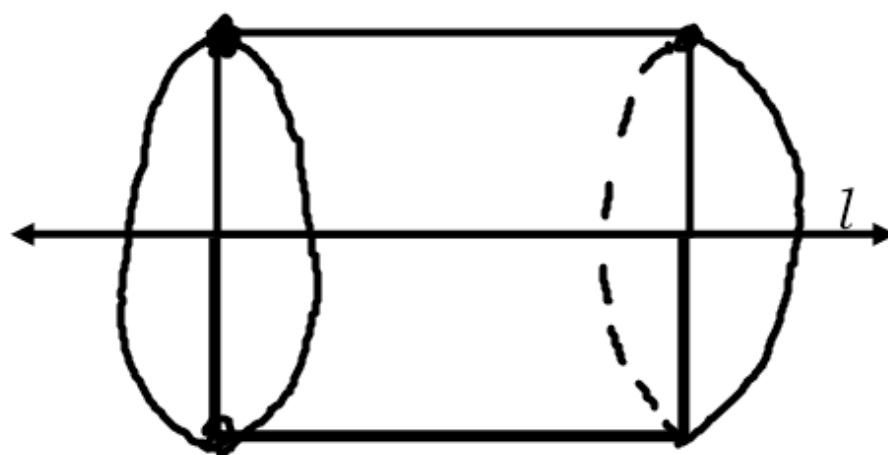


Lesson 10.4: Solids of Revolution

Solid of Revolution: a solid figure obtained by rotating a plane curve around some straight line (or axis)

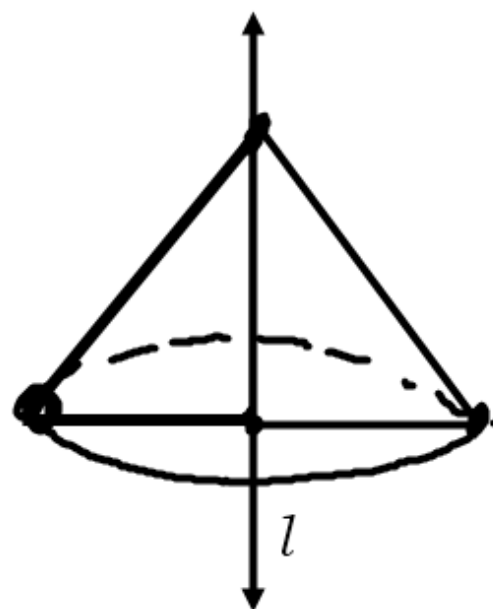
Describe and draw the solid of revolution you get by revolving each region about line l .



Cylinder

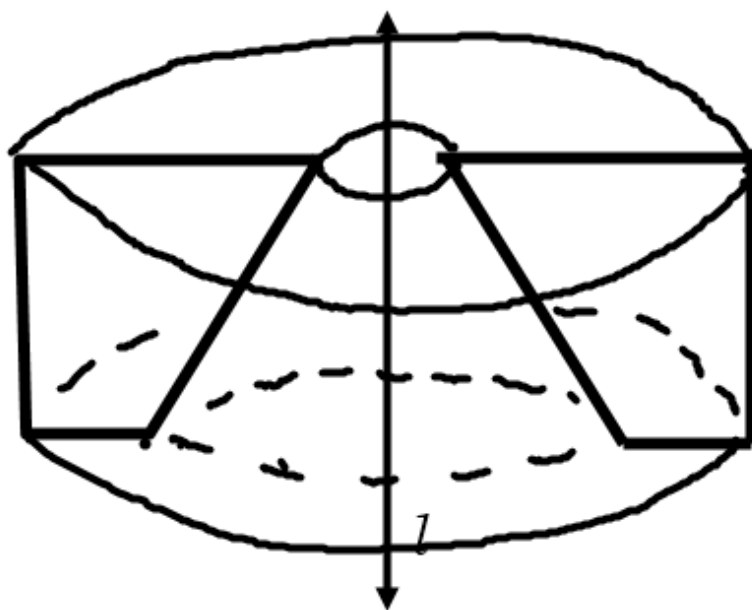
Describe and draw the solid of revolution you get by revolving each region about line l .

Geogebra



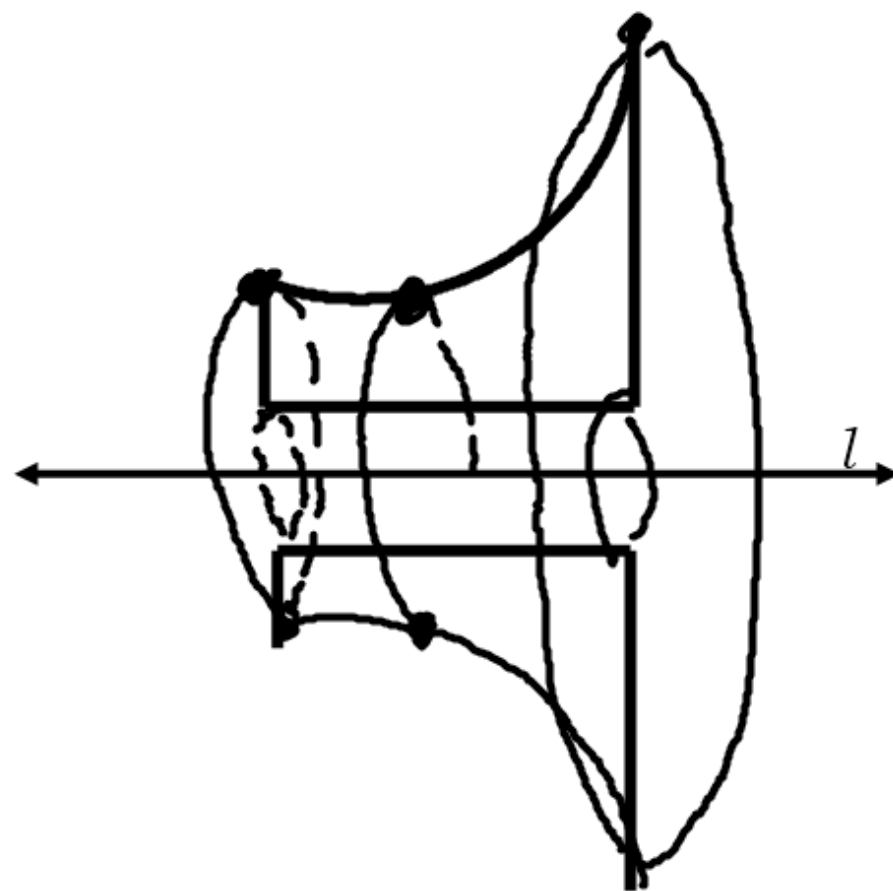
Cone

Describe and draw the solid of revolution you get by revolving each region about line l .



Cylinder
with
a
truncated
cone
hole

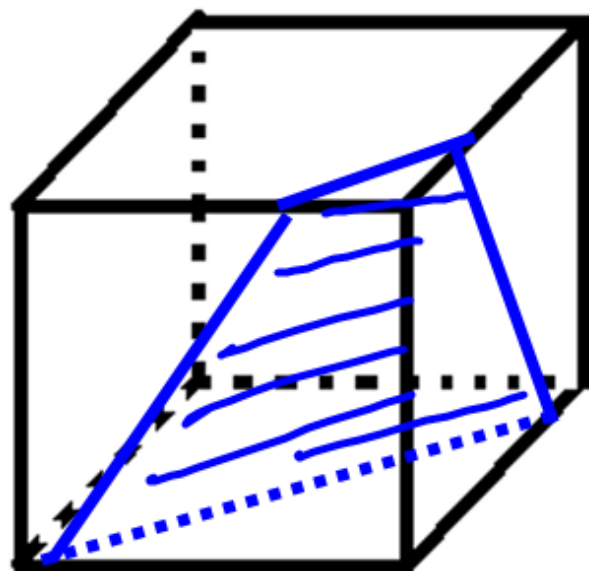
Describe and draw the solid of revolution you get by revolving each region about line l .



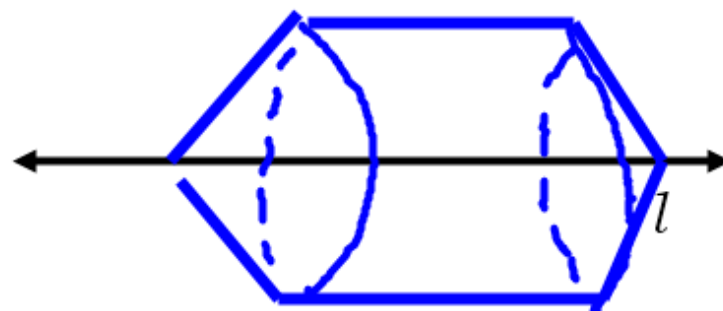
Megaphone
(cylinder
hole)

A solid is given, draw the requested cross section and then place it as directed on line l . Draw the solid of revolution you get by revolving the cross section about line l .

 Trapezoid



Place longer base on line l



Cylinder
with cones
on the
end