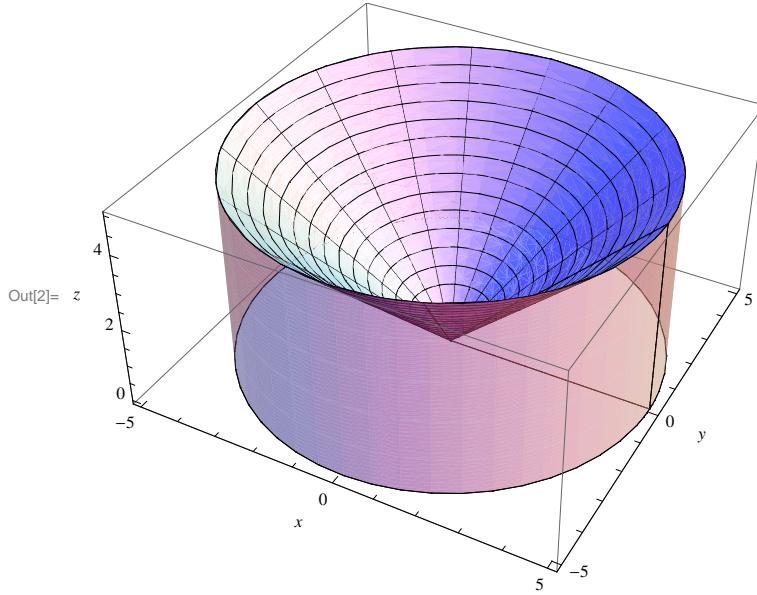
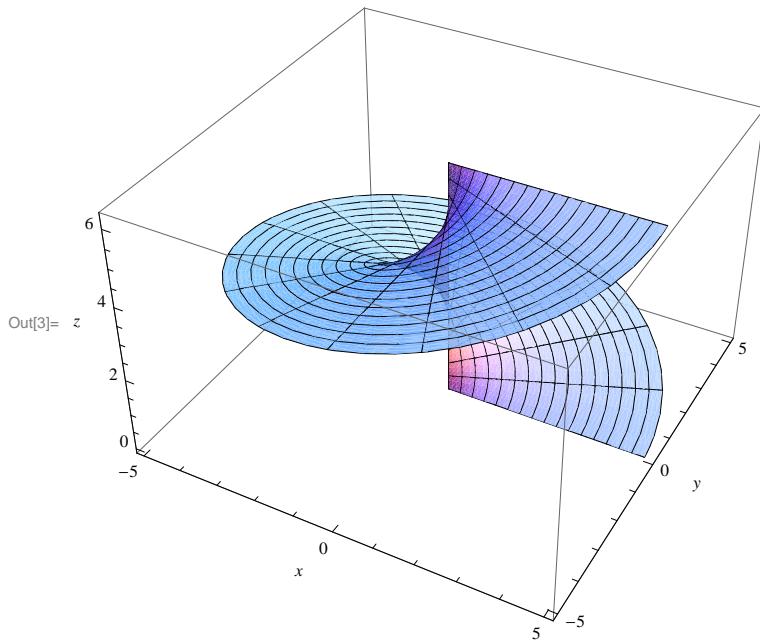


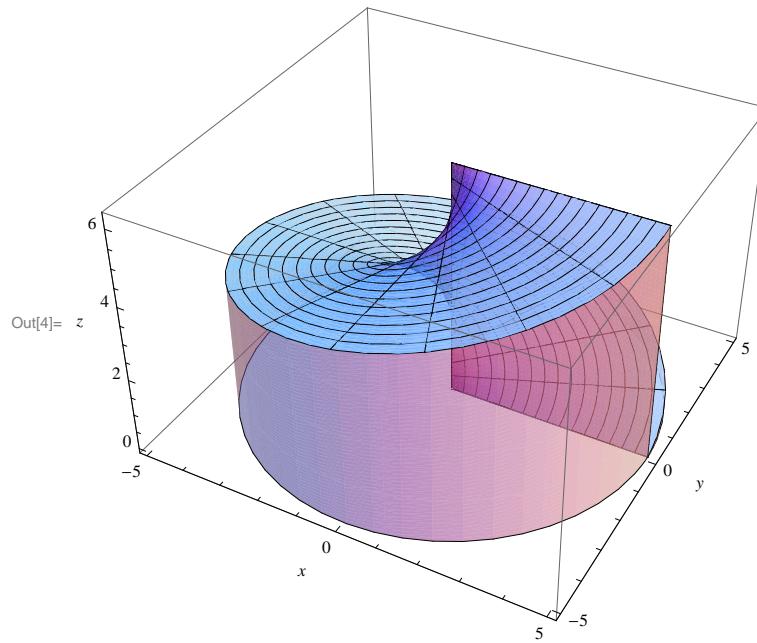
```
In[1]:= R = 5;
In[2]:= Show[RevolutionPlot3D[t, {t, 0, R}, BoxRatios -> {2, 2, 1}, AxesLabel -> {x, y, z}],
  RevolutionPlot3D[{R, t}, {0}, {t, 0, R}, PlotStyle -> Directive[Opacity[.5]],
  Mesh -> None, BoundaryStyle -> Black, PlotPoints -> 50}]
Out[2]=
```



```
In[3]:= RevolutionPlot3D[\theta, {t, 0, R}, {\theta, 0, 2 \pi},
  BoxRatios -> {5, 5, \pi}, PlotPoints -> 50, AxesLabel -> {x, y, z}]
Out[3]=
```



```
In[4]:= Show[RevolutionPlot3D[{θ}, {t, 0, R}, {θ, 0, 2 π},
  BoxRatios → {5, 5, π}, PlotPoints → 50, AxesLabel → {x, y, z}],
 ParametricPlot3D[{R Cos[t], R Sin[t], u}, {t, 0, 2 π}, {u, 0, t},
  PlotStyle → Directive[Opacity[.5]], Mesh → None, PlotPoints → 50],
 ParametricPlot3D[{{x, 0, z}, {x Cos[z], x Sin[z], 0}}, {x, 0, R},
 {z, 0, 2 π}, PlotStyle → Directive[Opacity[.5]],
 Mesh → None, BoundaryStyle → Black, PlotPoints → 50]]
```



```
In[5]:= Show[ParametricPlot3D[{{R Cos[t], h, R Sin[t]}, {h, R Cos[t], R Sin[t]}}, {t, 0, 2 \pi}, {h, -R Cos[t], R Cos[t]}, PlotPoints \rightarrow 50, BoxRatios \rightarrow 1, AxesLabel \rightarrow {x, y, z}], ParametricPlot3D[{{h, R Cos[t], R Sin[t]}, {R Cos[t], h, R Sin[t]}}, {t, 0, 2 \pi}, {h, -R, R}, PlotStyle \rightarrow Directive[Opacity[.3]], Mesh \rightarrow None]]
```

