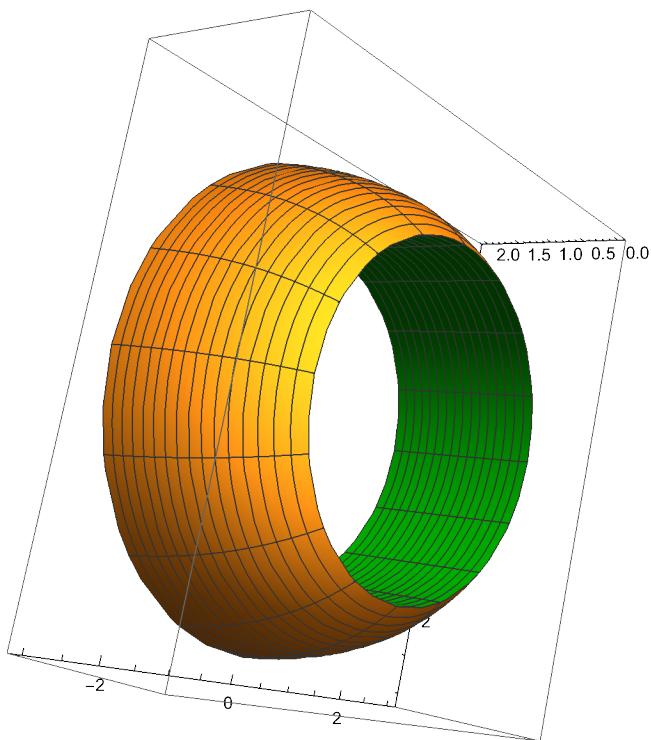

Lab 3 Reference 3D Plots By Li - An Chen

Note: These are for reference. You do not need to do any of these 3D plots for your assignment.

Solid in Q1

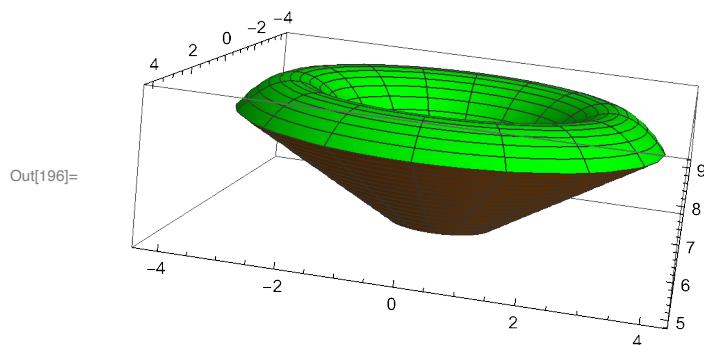
```
In[167]:= x = RevolutionPlot3D[Exp[-t] - 3, {t, 0, 2}, RevolutionAxis -> {1, 0, 0}];  
y = RevolutionPlot3D[1 - 3, {t, 0, 2}, RevolutionAxis -> {1, 0, 0}, PlotStyle -> Green];  
Show[x, y]
```

Out[169]=



Solid in Q2

```
In[194]:= x = RevolutionPlot3D[(t - 3) + 7, {t, -2 + 3, 1 + 3}, RevolutionAxis -> {0, 0, 1}];
y = RevolutionPlot3D[9 - (t - 3)^2,
{t, -2 + 3, 1 + 3}, RevolutionAxis -> {0, 0, 1}, PlotStyle -> Green];
Show[
y,
x]
```



Solid in Q3

```
In[200]:= x = RevolutionPlot3D[5 t (1 - t)^2, {t, 0, 1}, RevolutionAxis -> {0, 0, 1}];
y = RevolutionPlot3D[8 t^3 (1 - t),
{t, 0, 1}, RevolutionAxis -> {0, 0, 1}, PlotStyle -> Green];
Show[x]
Show[y]
Show[y, x]
```

