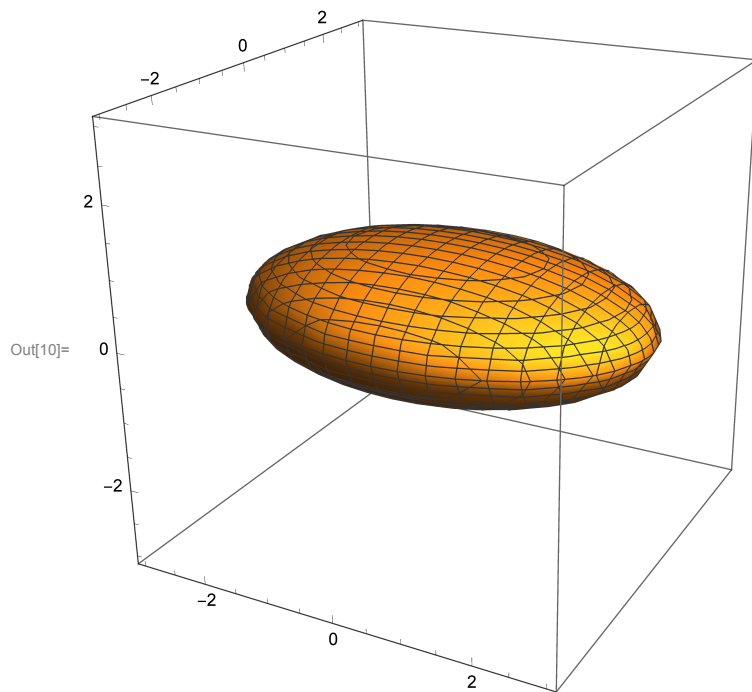
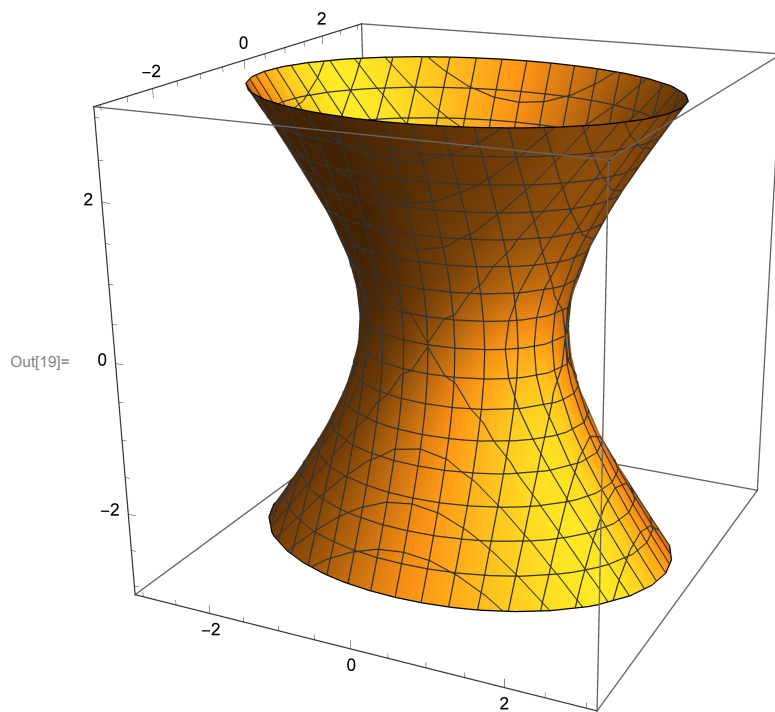


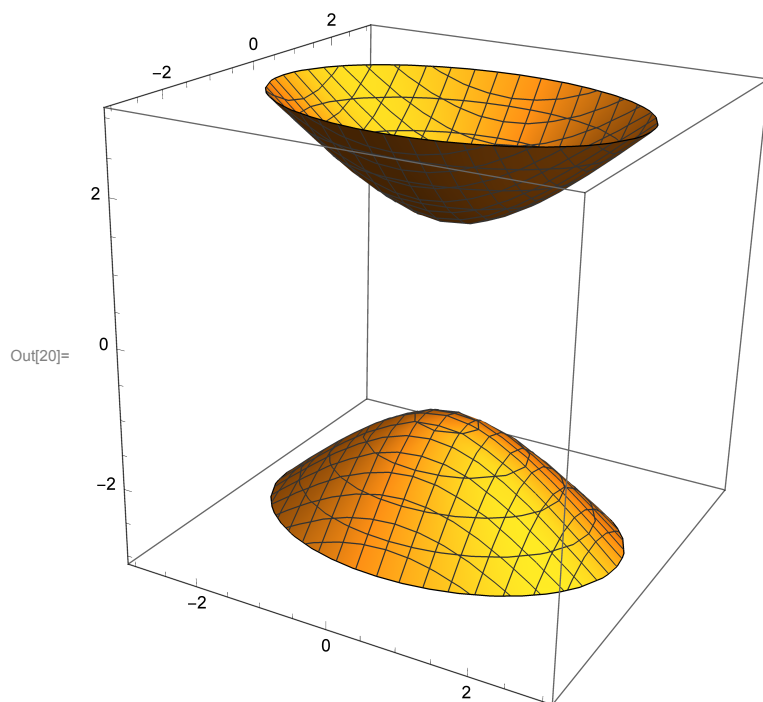
```
In[10]:= (* Ellipsoid *)  
ContourPlot3D[x^2/9 + y^2/4 + z^2 == 1, {x, -3, 3}, {y, -3, 3}, {z, -3, 3}]
```



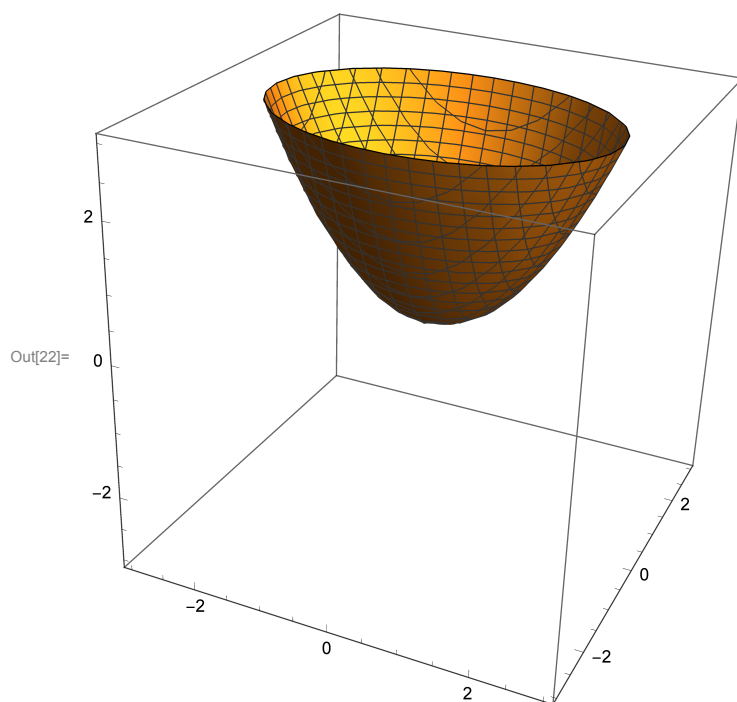
```
In[19]:= (* Hyperboloid (one sheet) *)  
ContourPlot3D[x^2/2 + y^2 == z^2/3 + 1, {x, -3, 3}, {y, -3, 3}, {z, -3, 3}]
```



```
In[20]:= (* Hyperboloid (two sheets) *)  
ContourPlot3D[x^2/2 + y^2 == z^2/2 - 1, {x, -3, 3}, {y, -3, 3}, {z, -3, 3}]
```



```
In[22]:= (* Paraboloid (elliptic) *)  
ContourPlot3D[x^2/2 + y^2 == z, {x, -3, 3}, {y, -3, 3}, {z, -3, 3}]
```

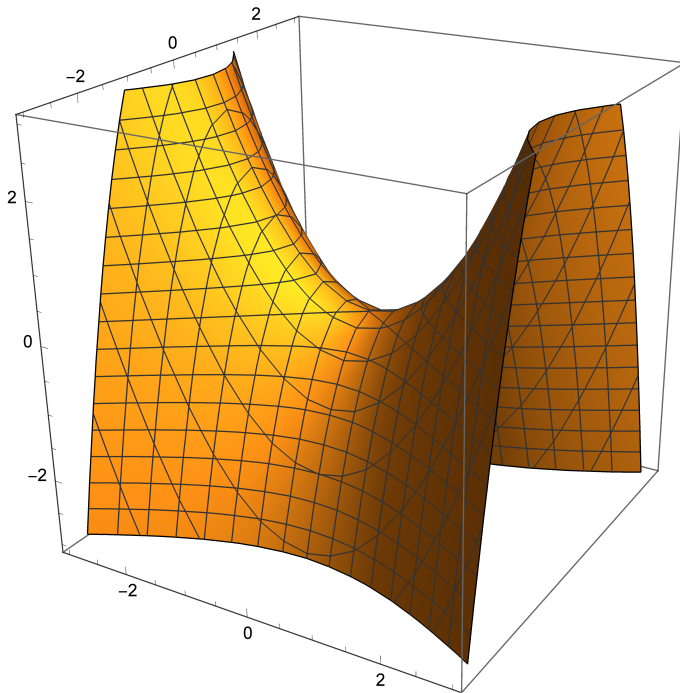


In[23]:=

(* Paraboloid (hyperbolic) *)

`ContourPlot3D[x^2/2 - y^2 == z, {x, -3, 3}, {y, -3, 3}, {z, -3, 3}]`

Out[23]=



(* Cone (elliptic) *)

`ContourPlot3D[x^2/2 + y^2 == z^2/3, {x, -3, 3}, {y, -3, 3}, {z, -3, 3}]`

Out[25]=

