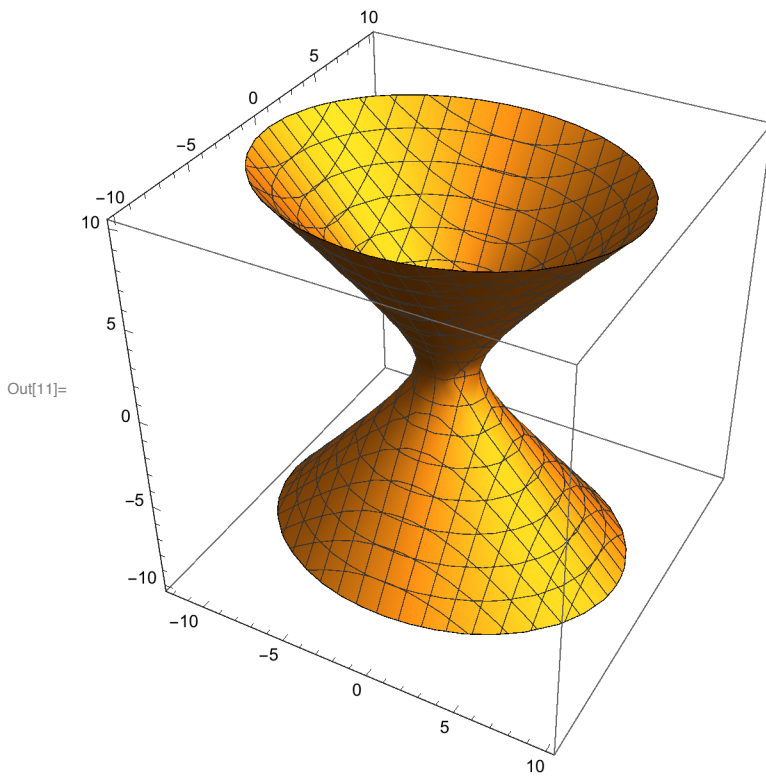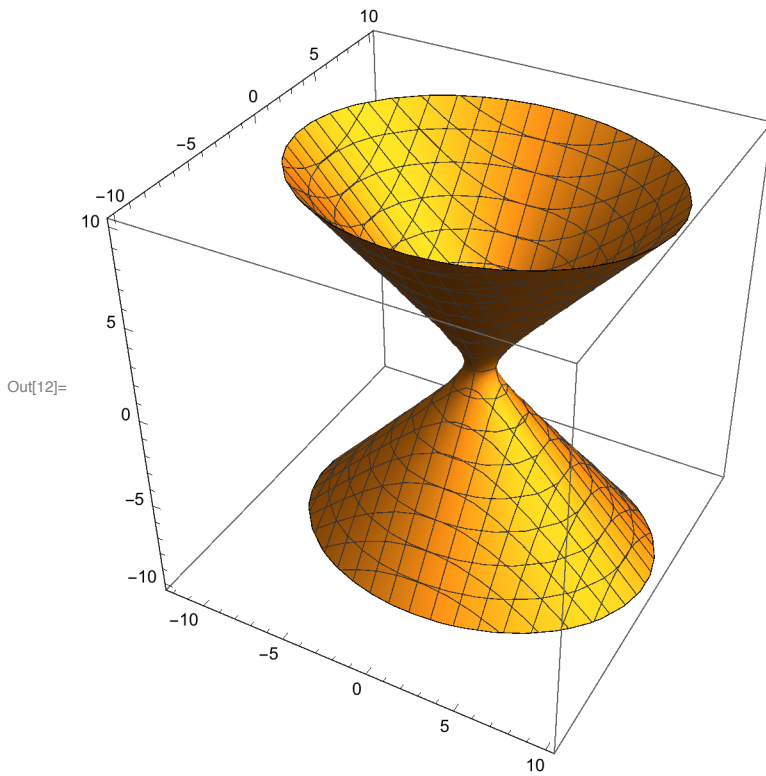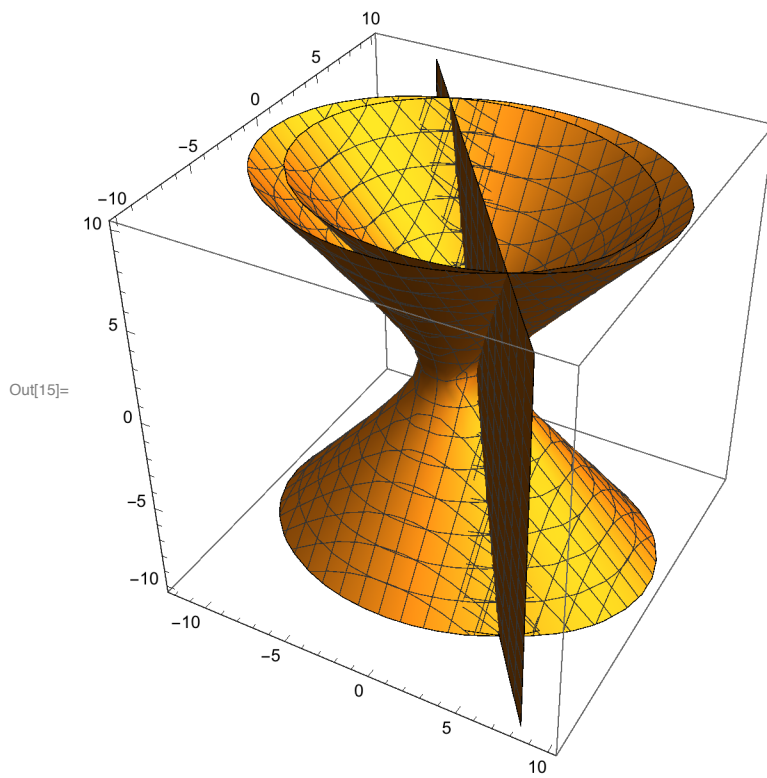In[11]:= **p1 = ContourPlot3D[-1 + 3 * x + x^2 + 2 * y^2 - z^2 == 0,**
{x, -12, 10}, {y, -10, 10}, {z, -10, 10}]

Out[11]=

In[12]:= **p2 = ContourPlot3D[2 * x^2 + 4 * y^2 - 2 * z^2 - 5 * y == 0,**
{x, -12, 10}, {y, -10, 10}, {z, -10, 10}]

Out[12]=

In[15]:= **Show[p1, p2, p3]**

Out[15]=

In[14]:= **p3 = ContourPlot3D[6 * x + 5 * y == 0, {x, −12, 10}, {y, −10, 10}, {z, −10, 10}]**

Out[14]=