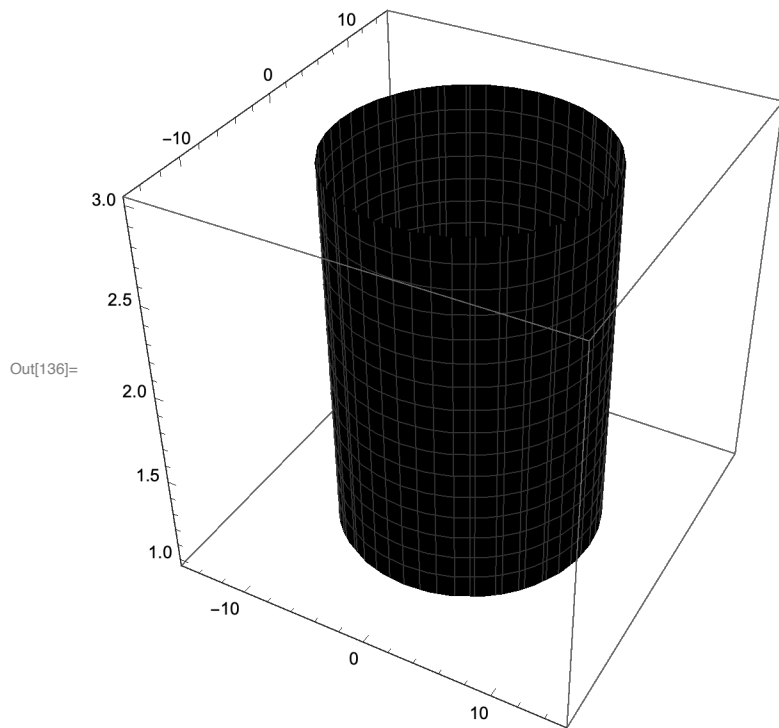
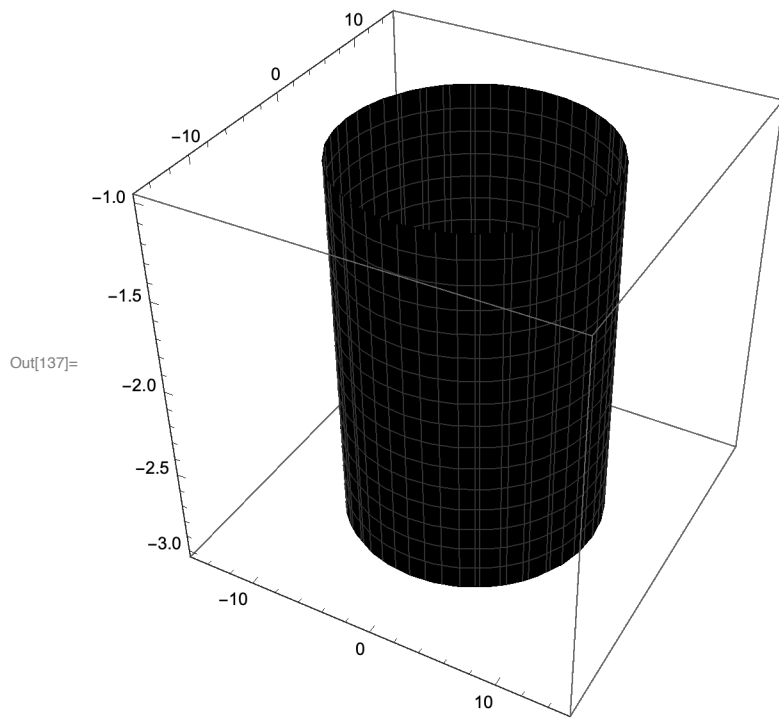


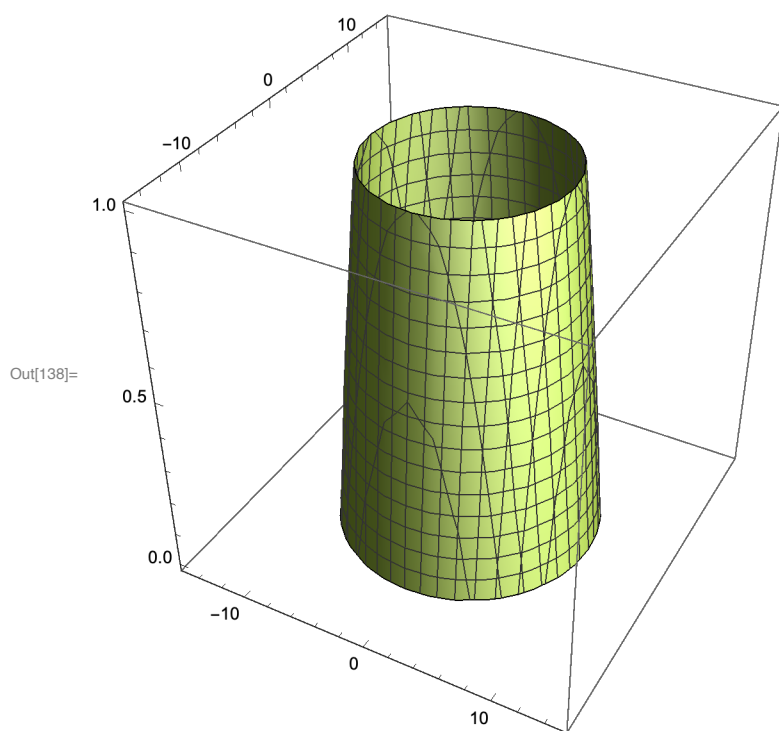
```
In[136]:= parteSup = ContourPlot3D[x^2 + y^2 == 100,  
    representación 3D de contornos  
    {x, -15, 15}, {y, -15, 15}, {z, 1, 3}, ColorFunction -> GrayLevel]  
    función de color nivel de gris
```



```
In[137]:= parteInf = ContourPlot3D[x^2 + y^2 == 100,  
  representación 3D de contornos  
  {x, -15, 15}, {y, -15, 15}, {z, -3, -1}, ColorFunction -> GrayLevel]  
  función de color nivel de gris
```



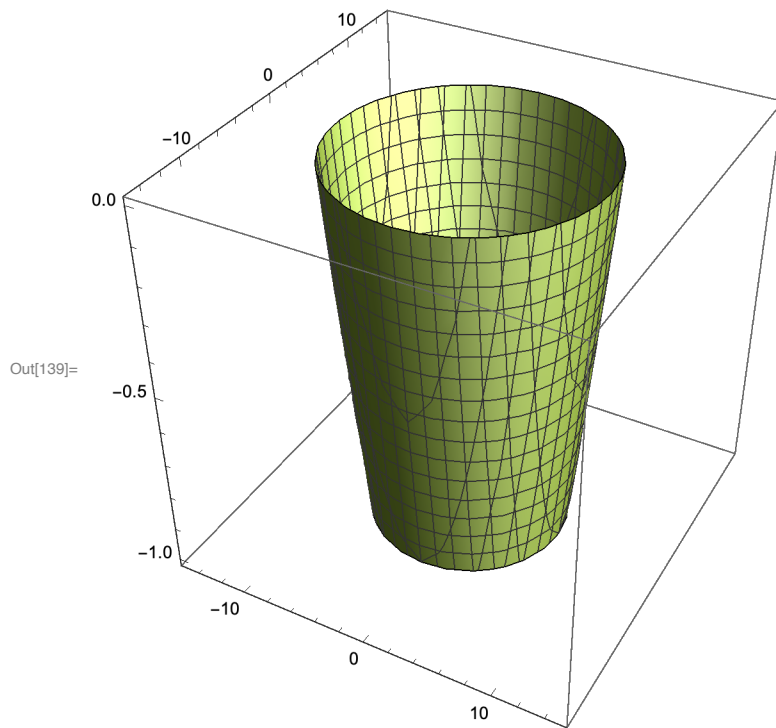
```
In[138]:= cremaAba = ContourPlot3D[-0.0239 x^2 - 0.0239 y^2 + 2.347 == z,
  representación 3D de contornos
  {x, -15, 15}, {y, -15, 15}, {z, 0, 1}, ColorFunction -> White]
  función de color blanco
```



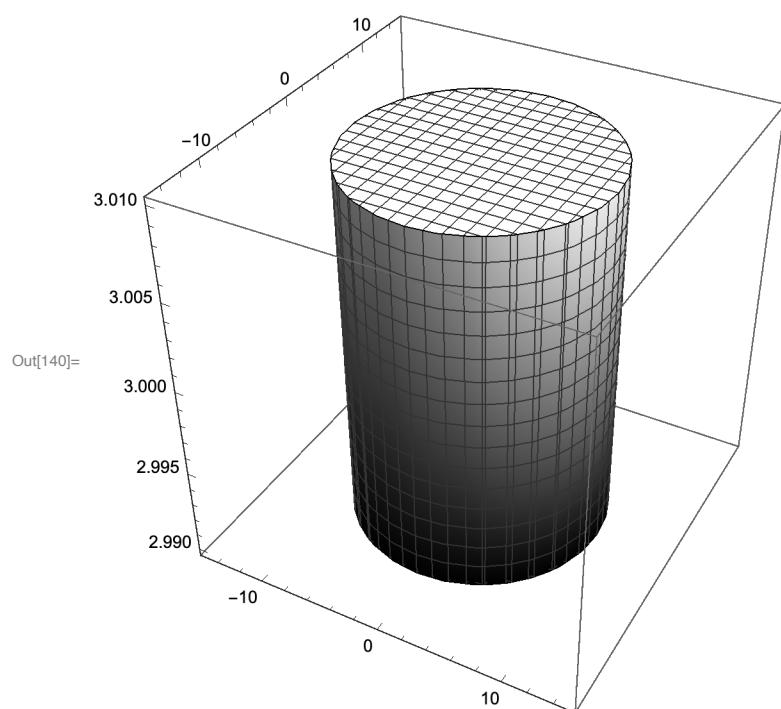
```

In[139]:= cremaArr = ContourPlot3D[0.0228 x^2 + 0.0228 y^2 - 2.285 == z, {x, -15, 15},
    [representación 3D de contornos]
    {y, -15, 15}, {z, -1, 0}, ColorFunction -> RGBColor[255, 255, 255]]
    [función de color] [color RGB]

```



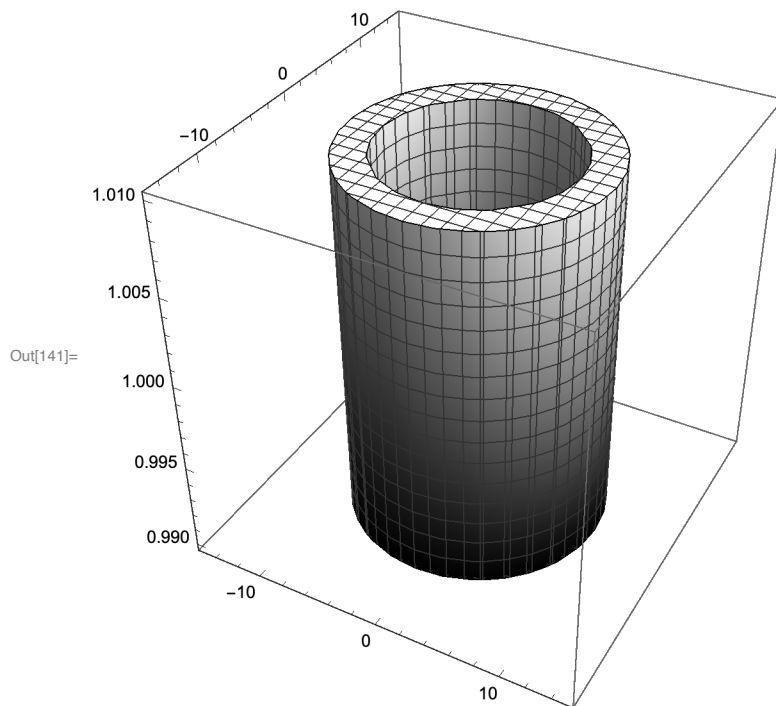
```
In[140]:= tapaSup1 = RegionPlot3D[x^2 + y^2 ≤ 100, {x, -15, 15},  
                                representación de región 3D  
                                {y, -15, 15}, {z, 2.99, 3.01}, ColorFunction → GrayLevel]  
                                función de color nivel de gris
```



```

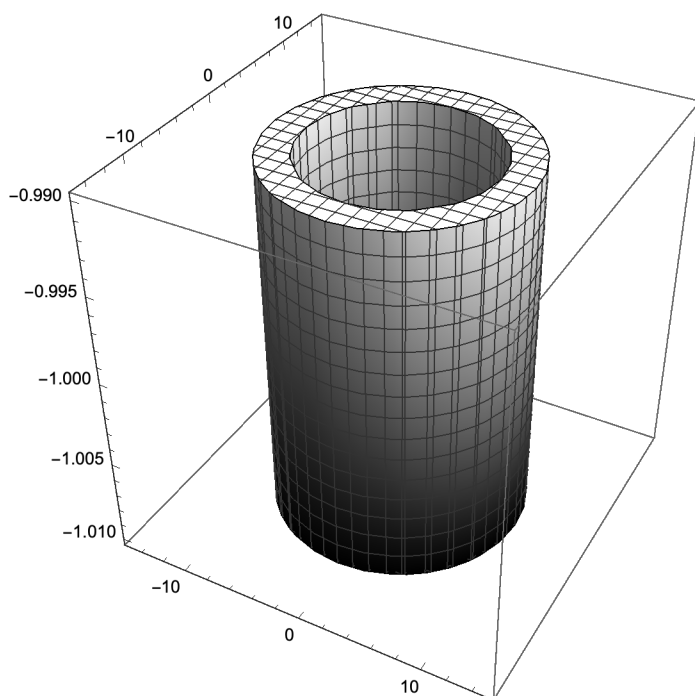
In[141]:= tapaSup2 = RegionPlot3D[56.25 <= x^2 + y^2 <= 100, {x, -15, 15},
    representación de región 3D
    {y, -15, 15}, {z, 0.99, 1.01}, ColorFunction -> GrayLevel]
    función de color nivel de gris

```



```
In[142]:= tapaInf2 = RegionPlot3D[56.25 ≤ x^2 + y^2 ≤ 100, {x, -15, 15},  
  representación de región 3D  
  {y, -15, 15}, {z, -1.01, -0.99}, ColorFunction → GrayLevel]  
  función de color nivel de gris
```

Out[142]=



```
In[143]:= Show[parteInf, parteSup, cremaAba, cremaArr,
  muestra
  tapaSup1, tapaSup2, tapaInf2, PlotRange -> All]
  rango de repre... todo
```

