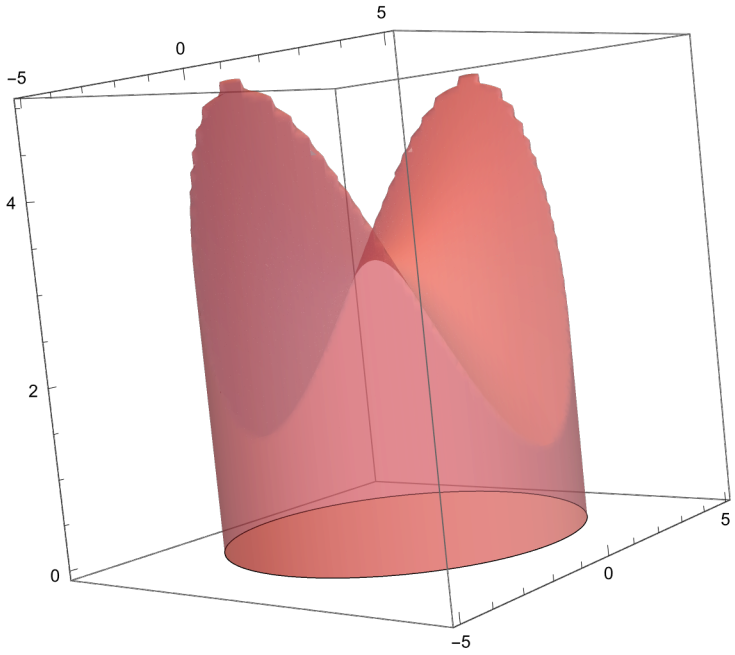
In[108]:=

```
RegionPlot3D[0 ≤ z ≤ (((-1 / 8) * x^2) + (y^2 / 8) + 3) && 0 ≤ x^2 + y^2 ≤ 16,
 {x, -5, 5}, {y, -5, 5}, {z, 0, 5}, PlotPoints → 90,
 Mesh → False, PlotStyle → Directive[Pink, Opacity[0.5]]]
```

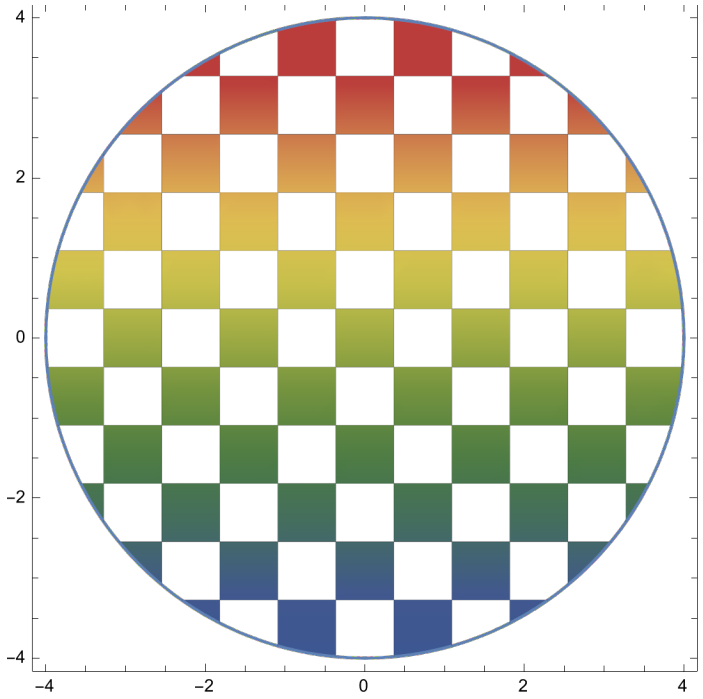
Out[108]=



In[113]:=

```
RegionPlot[x^2 + y^2 < 16, {x, -4, 4}, {y, -4, 4},
 Mesh → 10, MeshShading → {{Automatic, None}, {None, Automatic}},
 ColorFunction → "DarkRainbow", AxesLabel → {x, y}]
```

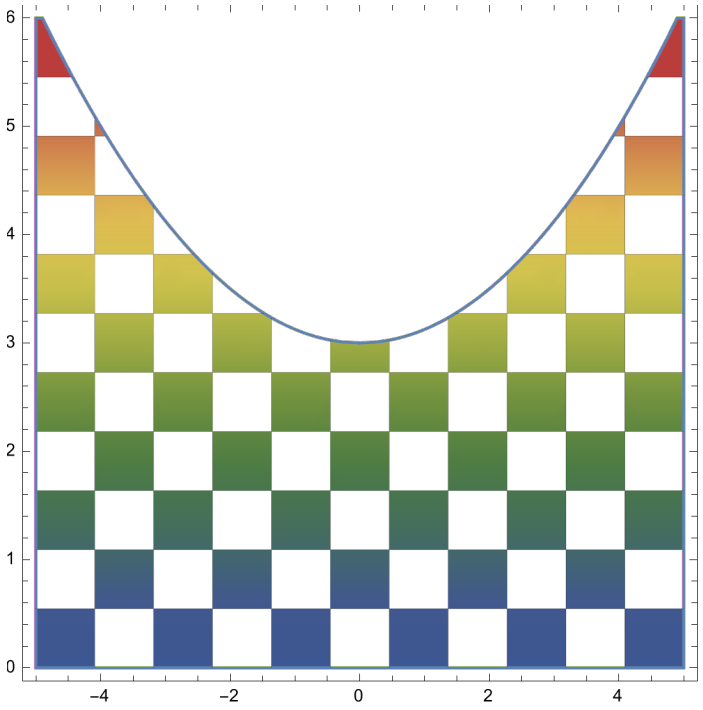
Out[113]=



In[112]:=

```
RegionPlot[z < (y^2 / 8) + 3, {y, -5, 5}, {z, 0, 6},
 Mesh → 10, MeshShading → {{Automatic, None}, {None, Automatic}},
 ColorFunction → "DarkRainbow", AxesLabel → {y, z}]
```

Out[112]=



In[97]:=
```
RegionPlot[z < - (x^2 / 8) + 3, {x, -5, 5}, {z, 0, 3},
 Mesh → 10, MeshShading → {{Automatic, None}, {None, Automatic}},
 ColorFunction → "DarkRainbow", AxesLabel → {x, z}]
```

Out[97]=