In[13]:= `R = 5;`
`r = R / Sqrt[2];`
`ContourPlot3D[{x^2 + y^2 + z^2 == R^2, z == Sqrt[x^2 + y^2]}, {x, -r, r},`
`{y, -r, r}, {z, 0, 2 r}, RegionFunction -> Function[{x, y, z}, x^2 + y^2 < r^2]]`

Out[15]=