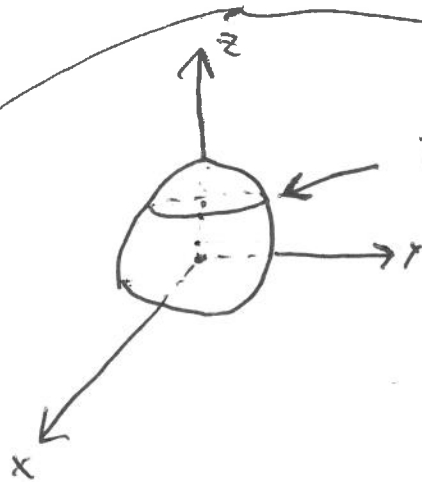




This circle is the
Set of all points
in 3-space
which satisfies
 $x^2 + y^2 + z^2 = 25$ and $z = 4$.

The circle has center $(0, 0, 4)$
and radius 3.
The circle sits in the plane
 $z = 4$ which is $\parallel$ to the
 xy plane but is 5 units
higher.

Of course $x^2 + y^2 + z^2 = 25$ is a sphere and
 $z = 4$ is a plane.