restart:with(plots):with(student):

Warning, the name changecoords has been redefined

> # this is a graph of problem 1

> pl1:=plot3d( 1,theta=0..2*Pi,phi = 0.. Pi/4,coords=spherical,color = red, axes=boxed):

> pl2:=implicitplot3d( phi = Pi/4, rho = 0 .. 1,  theta = 0 ..Pi*2, phi = 0 .. Pi,coords=spherical,color = blue, axes=boxed):

> display3d(pl1,pl2);# you have to twist it to see it