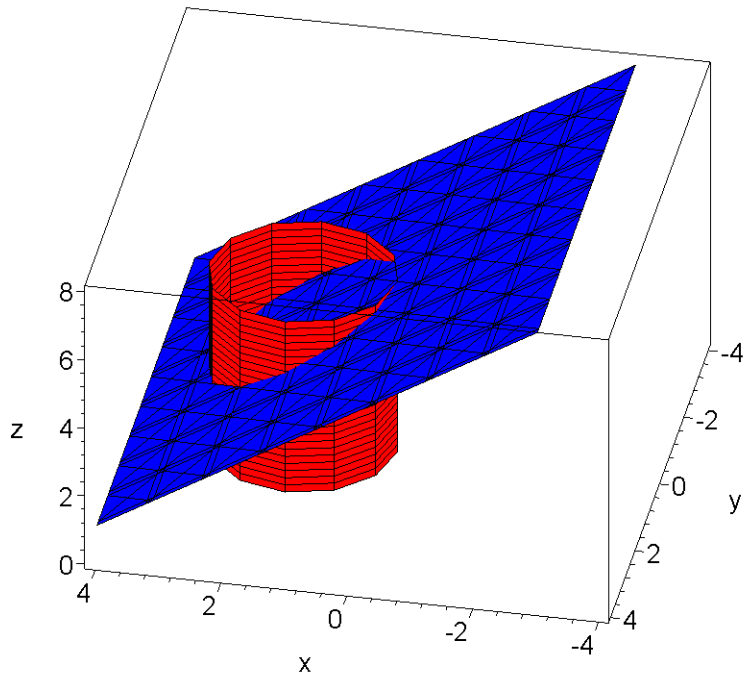


```

> restart:with(plots):with(student):
Warning, the name changecoords has been redefined
> # this is a graph of problem 1

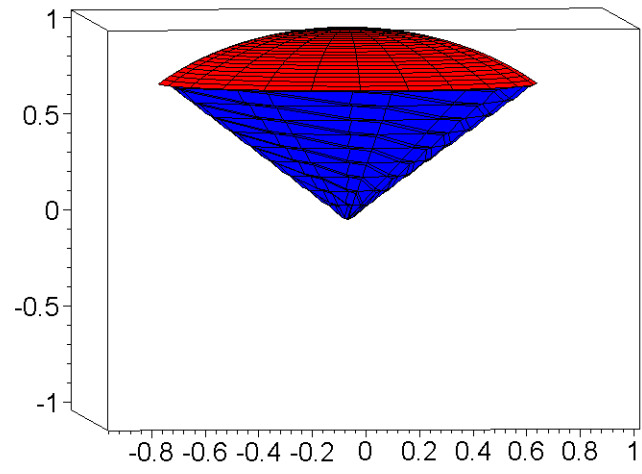
```



```

> # the difficulty with the snocone graph is that Maple orders the
  coord in spherical coords as (rho, theta, phi) while the text uses
  (rho, phi, theta) # the following commands do a cone of pi/4
> 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

```



[>
[