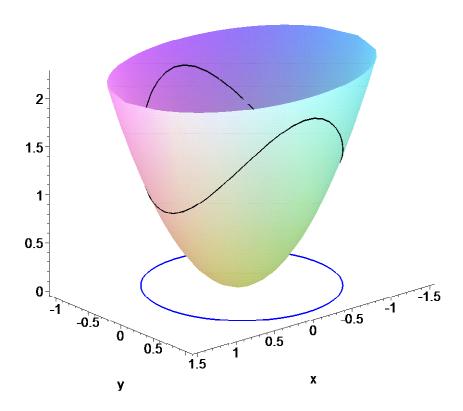
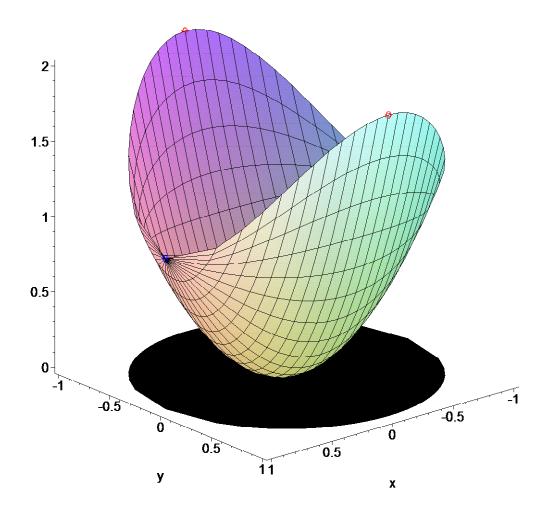
curve loking for the maximum", orientation=[50,70]);



```
Now for a fifferent view of the same thing.
```

```
> a:=plot3d(f,x=-1..1,y=-sqrt(1-x^2)..sqrt(1-x^2),axes=framed):
    #Note how we are plotting the surface over the disk of radius 1
> b:=plot3d(0,x=-1..1,y=-sqrt(1-x^2)..sqrt(1-x^2),color=black):
    #this plots the disk of radius one in the xy-plane
> c:=pointplot3d({[1,0,1],[-1,0,1]},axes=framed,color=blue,symbol=circle):
> d:=pointplot3d({[0,1,2],[0,-1,2]},axes=framed,color=red,symbol=circle):
> display({a,b,c,d}, scaling=constrained, orientation=[50,70]);
```



The blue balls are at the minima on the boundary. The red balls are at the maxima on the boundary. The absolute minimum is f=0 which occurs at (0,0). The absolute maximum is f=2 which occurs at (0,-1) and (0,1).