

```
> restart;
```

```
> f:=(x,z)->x+z;
```

$$f := (x, z) \rightarrow x + z$$

```
> g:=(x,z)->1-x^2;
```

$$g := (x, z) \rightarrow 1 - x^2$$

```
> A1:=solve(f(x,z)=g(x,z),x);
```

$$A1 := -\frac{1}{2} + \frac{1}{2}\sqrt{5-4z}, -\frac{1}{2} - \frac{1}{2}\sqrt{5-4z}$$

```
> b:=unapply(A1[1],z);
```

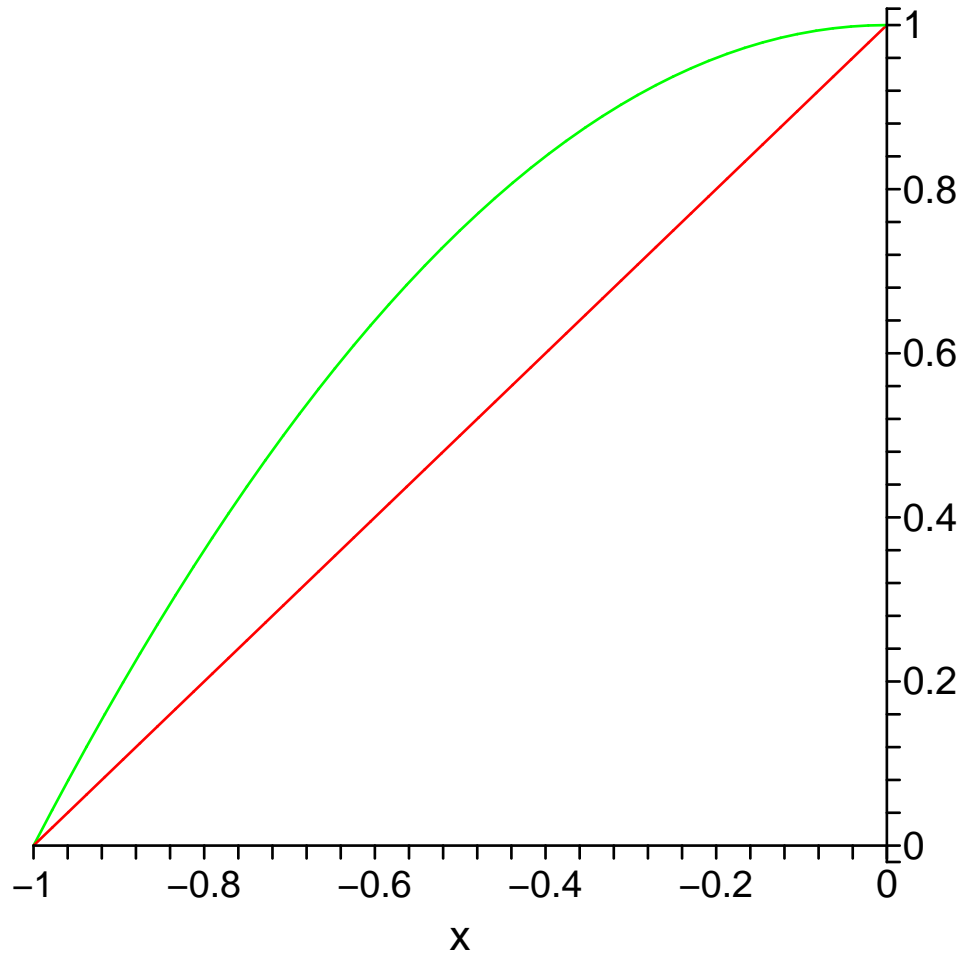
$$b := z \rightarrow -\frac{1}{2} + \frac{1}{2}\sqrt{5-4z}$$

```
> a:=unapply(A1[2],z);
```

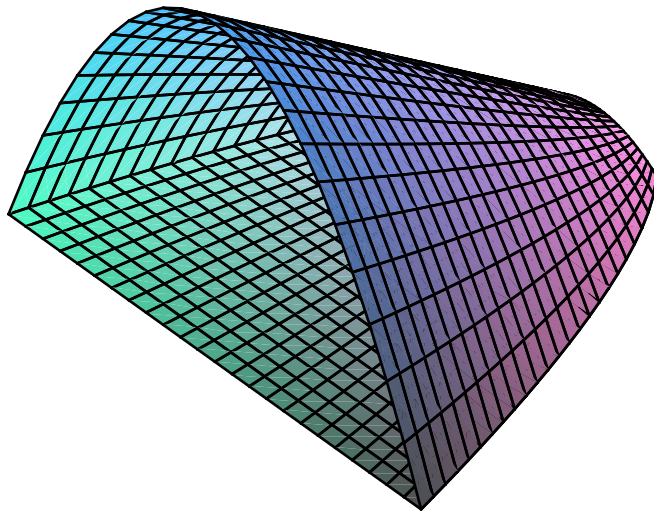
$$a := z \rightarrow -\frac{1}{2} - \frac{1}{2}\sqrt{5-4z}$$

```
> c:=1; plot([f(x,c),g(x,c)],x=a(c)..b(c));
```

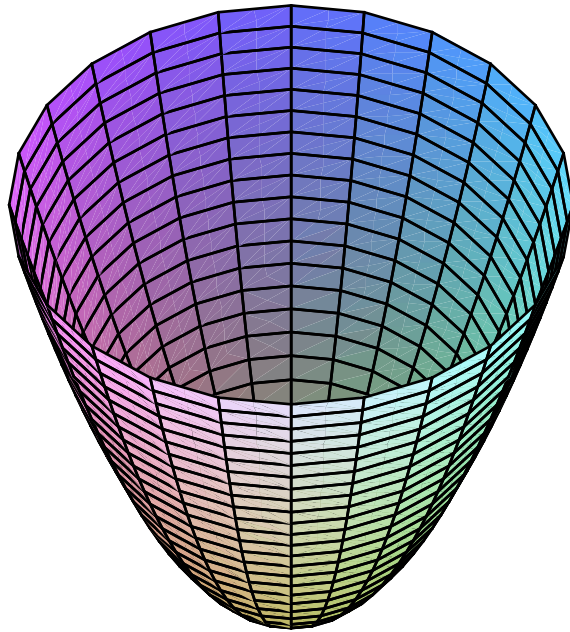
```
c:=1
```



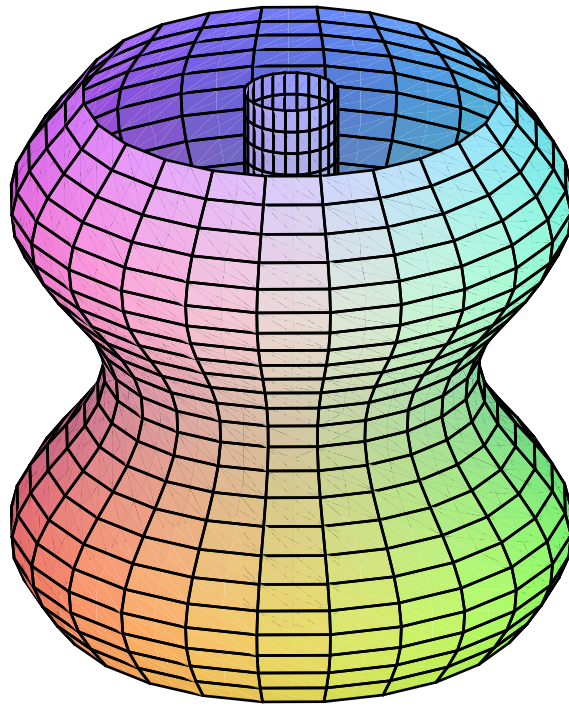
```
> plot3d([f(x,z),g(x,z)],z=-2..1,x=a(z)..b(z));
```



```
> plot3d(sqrt(x), theta=0..2*Pi, x=0..4, coords=cylindrical);
```



```
> plot3d([sin(x)+5,1],theta=0..2*Pi,x=0..10,coords=cylindrical);
```



```
> plot3d([2/x,4/x],theta=0..2*Pi,x=1..3,coords=cylindrical);
```

