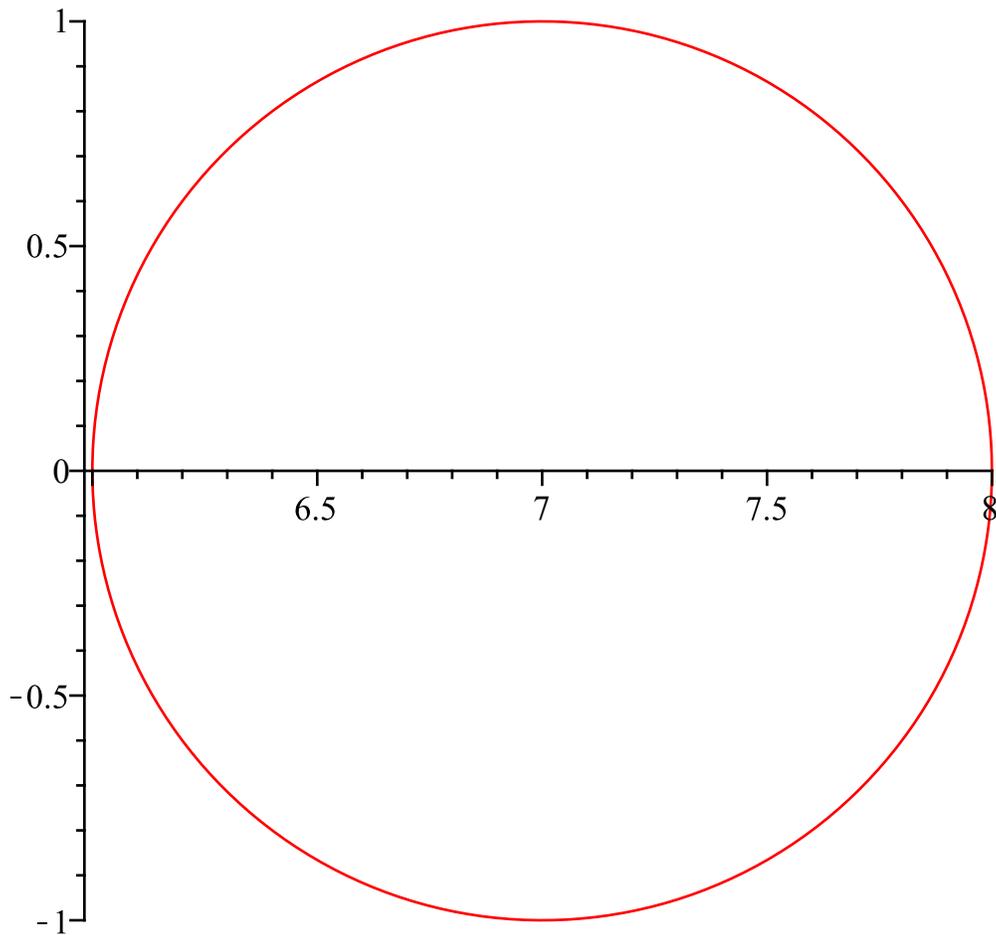
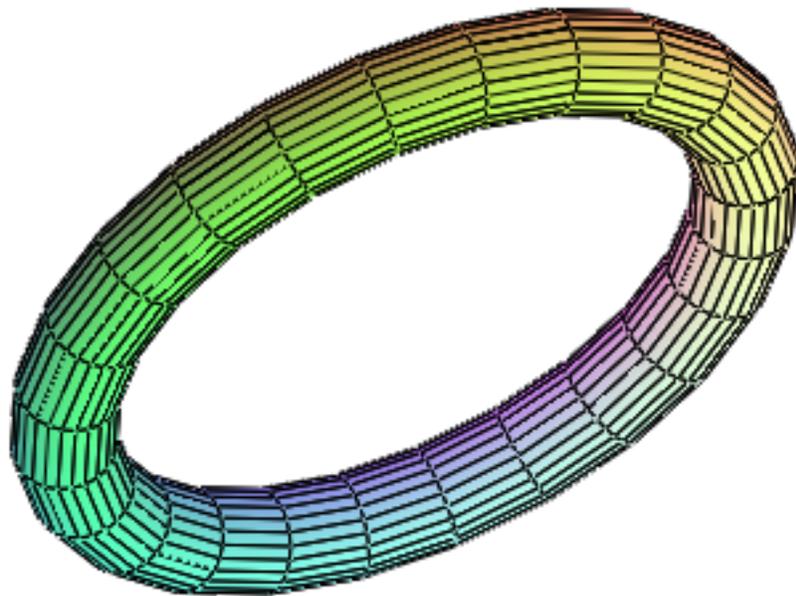


```
> restart;  
> f:=7+cos(t);  
g:=sin(t);  
  
f:=7+cos(t)  
g:=sin(t)  
> plot([f,g,t=0..2*Pi],scaling=constrained);
```



```
> plot3d([cos(theta)*f,g,sin(theta)*f],  
t=0..2*Pi,theta=0..2*Pi,scaling=constrained);
```

(1)



```
> V:=2*int(2*Pi*x*sqrt(1-(x-7)^2),x=6..8);
```

$$V:=14\pi^2$$

(2)

```
> V:=int(2*Pi*x*(4-4*abs(x-7)),x=6..8);
```

$$V:=56\pi$$

(3)

```
>
```