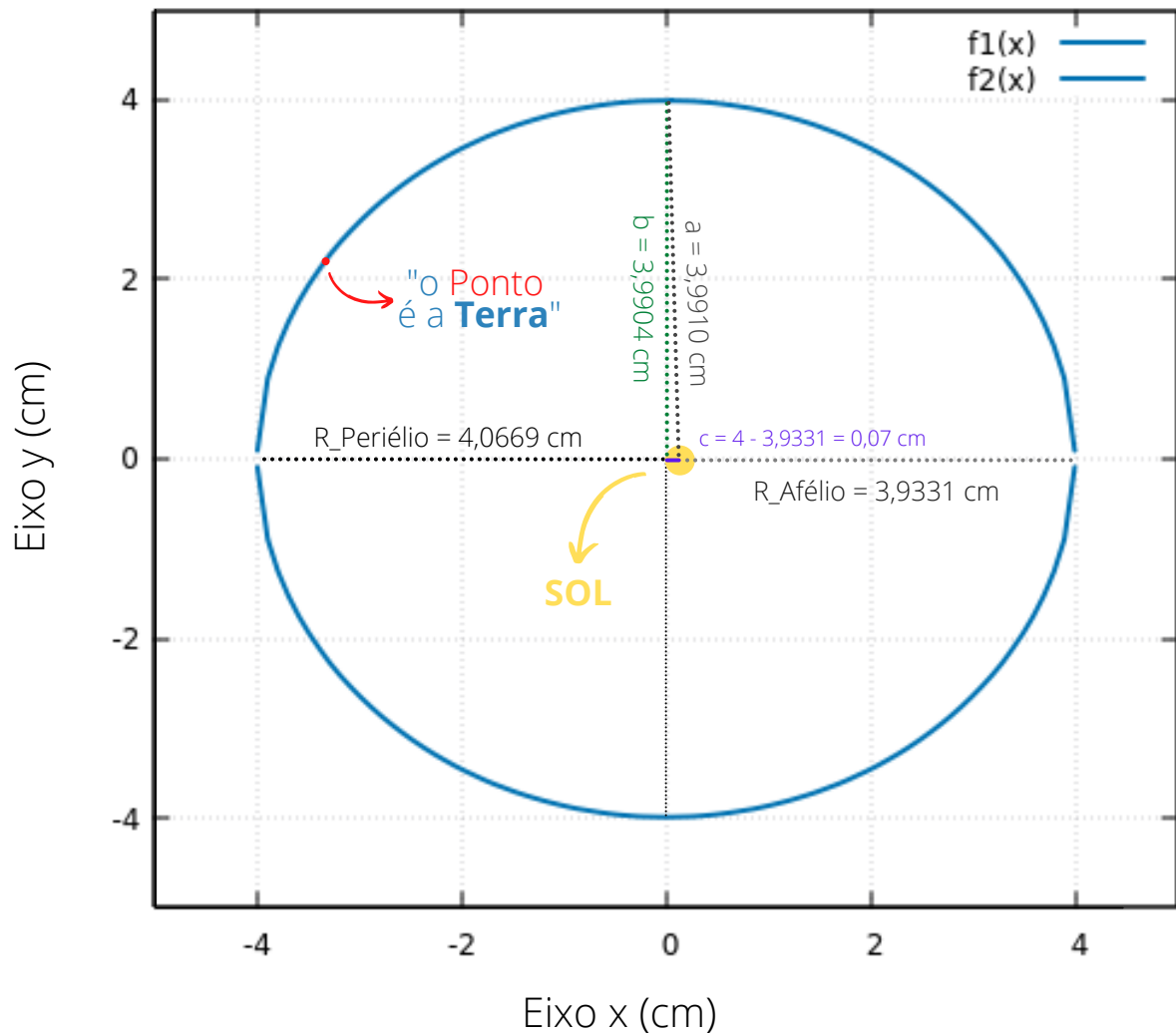


## Atividade 1 - Desenho Relações Sol-Terra

### Função: Elipse Sol-Terra

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1 \quad e = \frac{c}{a} \quad a^2 = b^2 + c^2$$



#### Código Gnuplot:

```
set grid
set yrange [-5:5]
set xrange [-5:5]
f1(x) = ((1 - (x**2)/(3.9910**2))**(0.5))*3.9904
f2(x) = -((1 - (x**2)/(3.9910**2))**(0.5))*3.9904
plot f1(x) lw 2 lt 8 lc 6
rep f2(x) lw 2 lt 8 lc 6
```