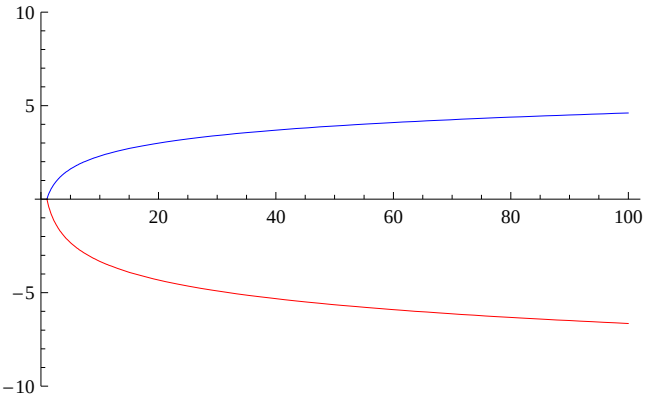
```
G[x_] = Log[x]
```

```
Log[x]
```

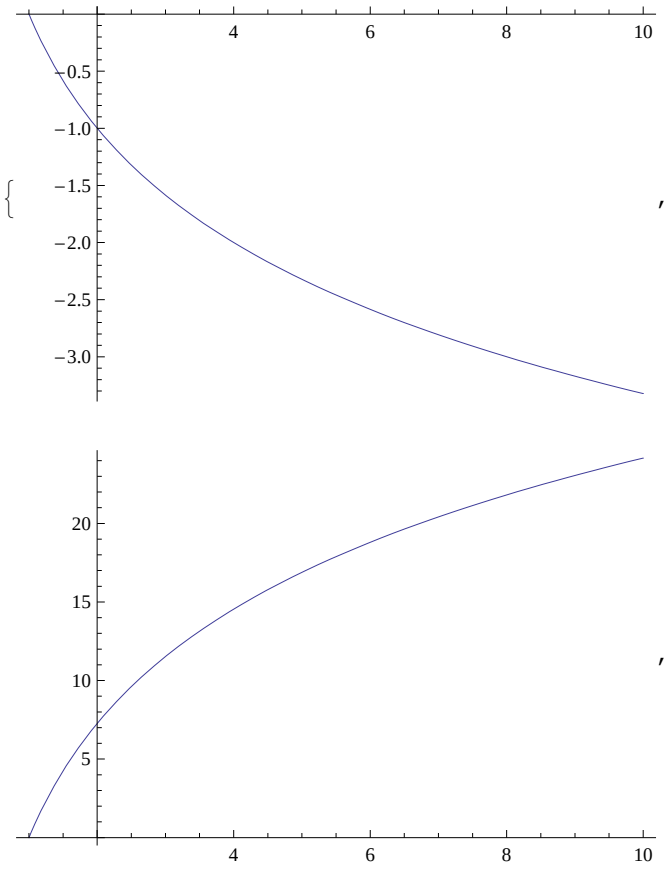
```
F[x_] = Log[0.5, x]
```

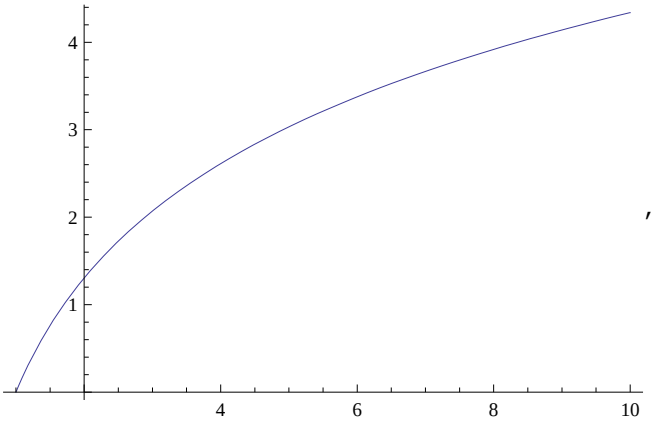
```
-1.4427 Log[x]
```

```
Plot[{G[x], F[x]}, {x, 1, 100},
 PlotStyle → {RGBColor[0, 0, 1], RGBColor[1, 0, 0]}, PlotRange → {-10, 10}]
```

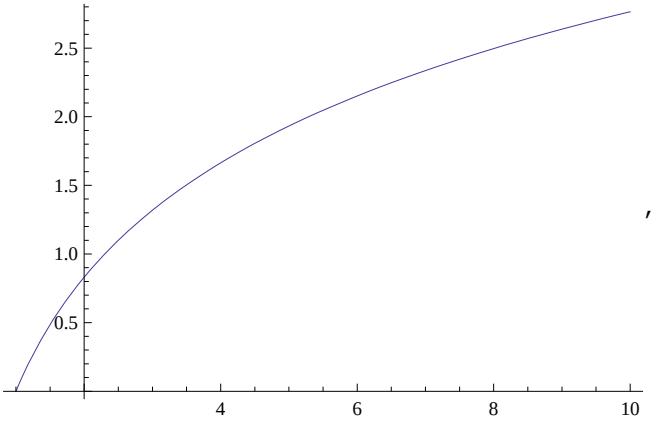



```
Table[Plot[Log[a, x], {x, 1, 10}], {a, 0.5, 4, 0.6}]
```

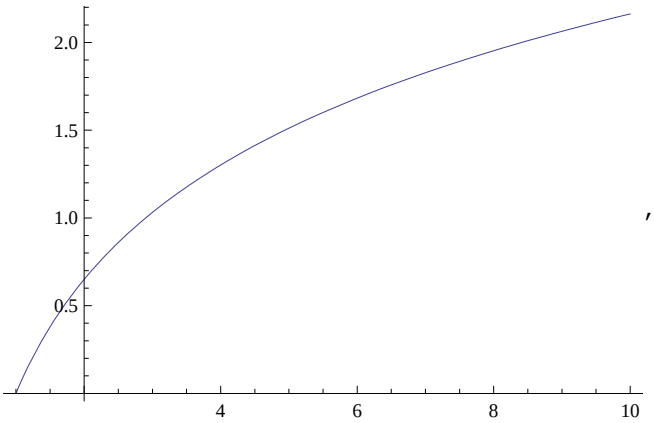



4
3
2
1
4
6
8
10

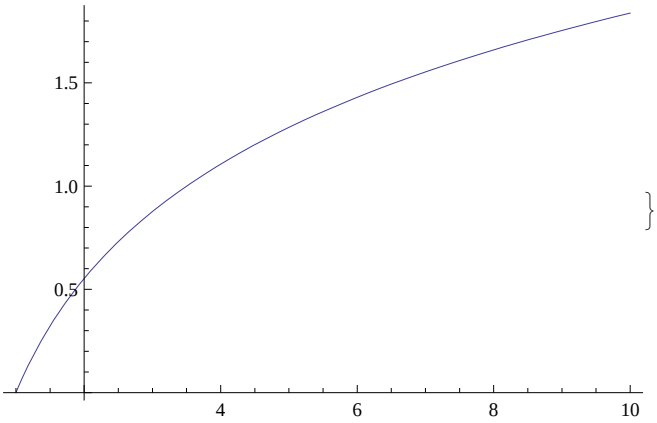
,


2.5
2.0
1.5
1.0
0.5
4
6
8
10

,

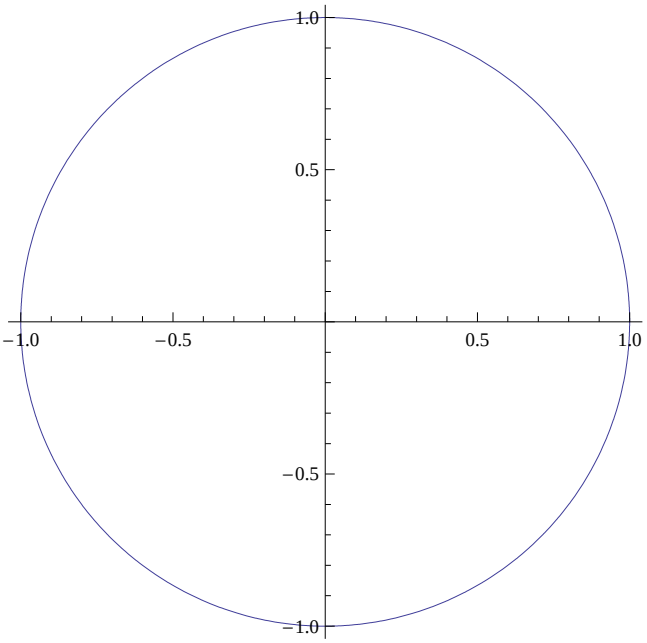

2.0
1.5
1.0
0.5
4
6
8
10

,

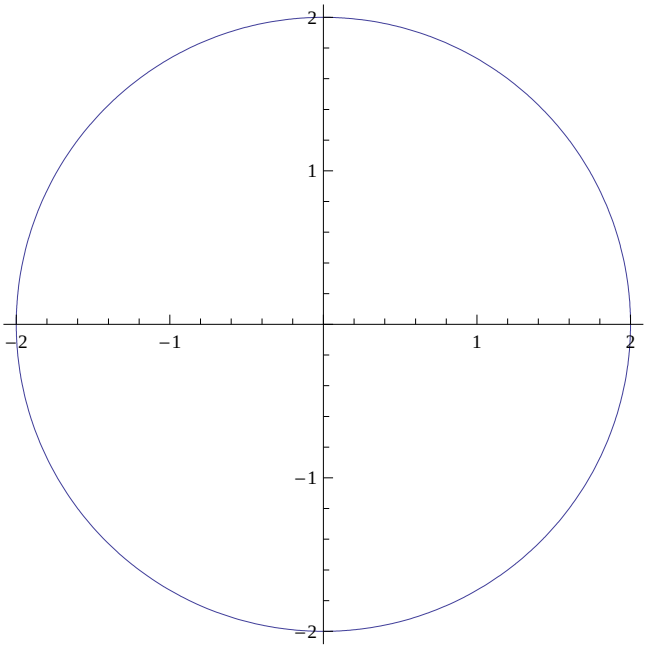

1.5
1.0
0.5
4
6
8
10

}

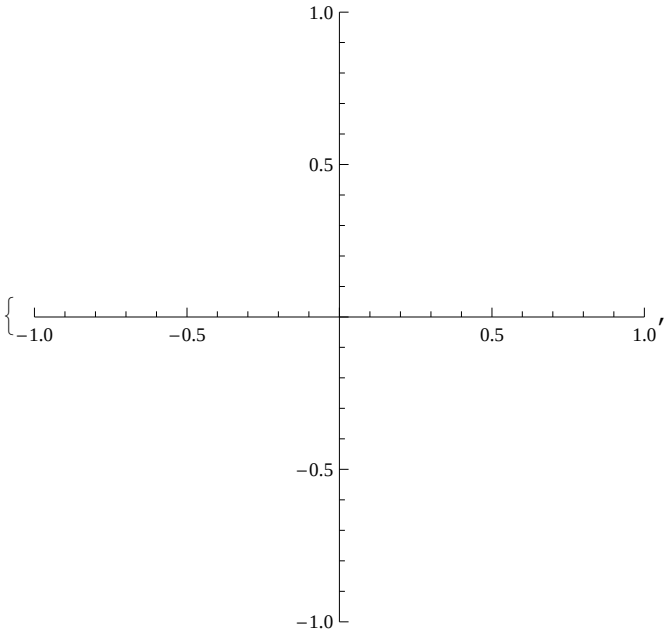
```
ParametricPlot[{Cos[t], Sin[t]}, {t, 0, 2 * Pi}]
```

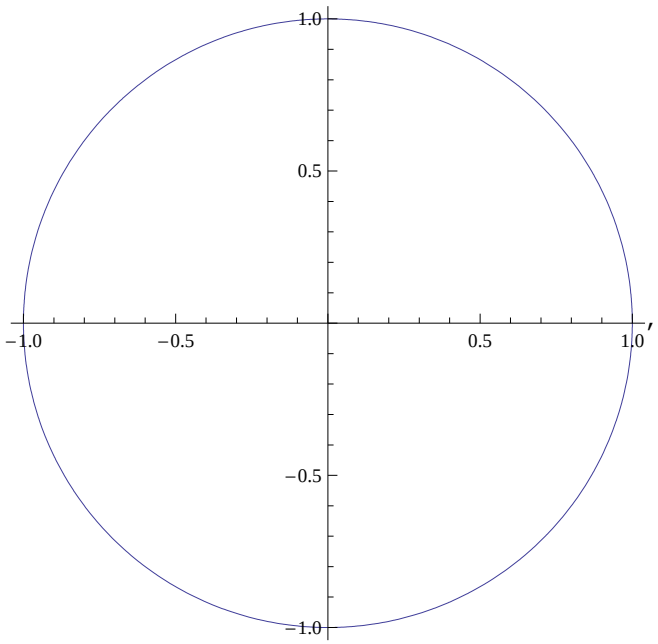


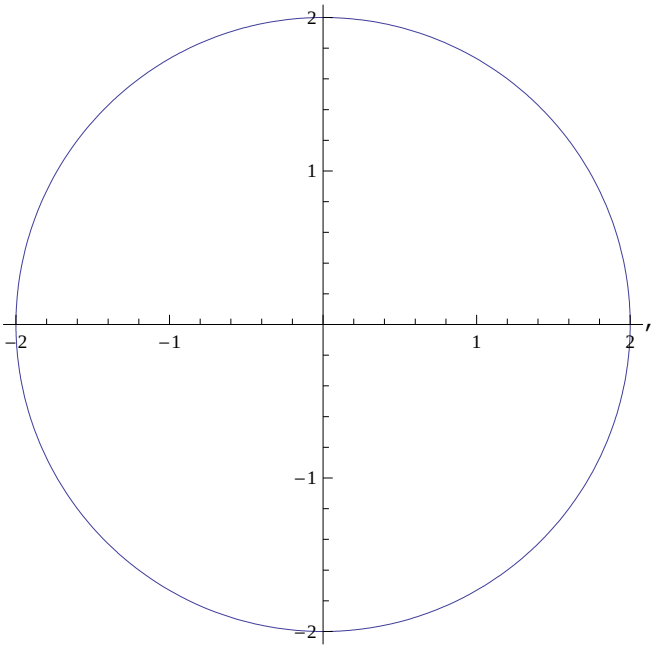

```
ParametricPlot[{2 Cos[t], 2 Sin[t]}, {t, 0, 2 * Pi}]
```

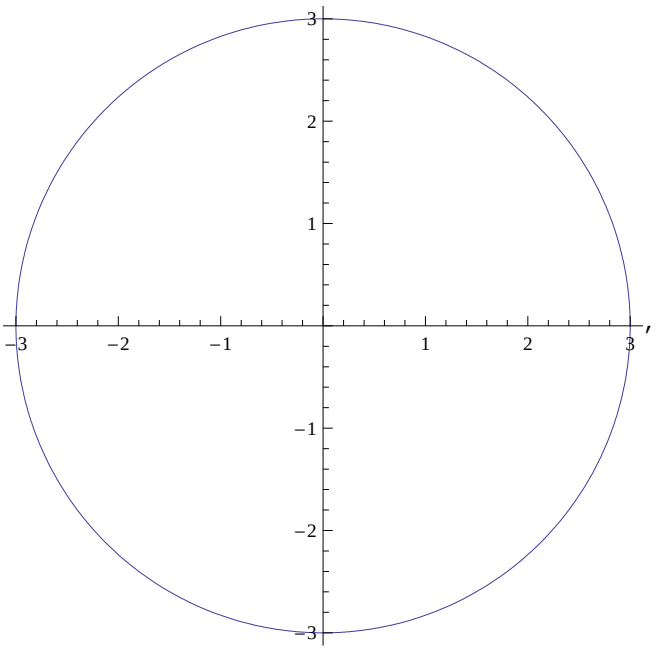


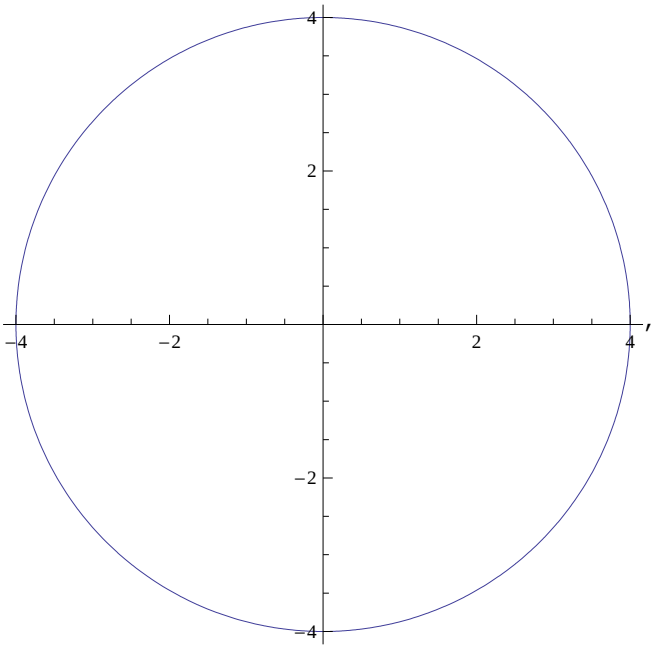

```
Table[ParametricPlot[{a * Cos[t], a * Sin[t]}, {t, 0, 2 * Pi}], {a, 0, 10, 1}]
```

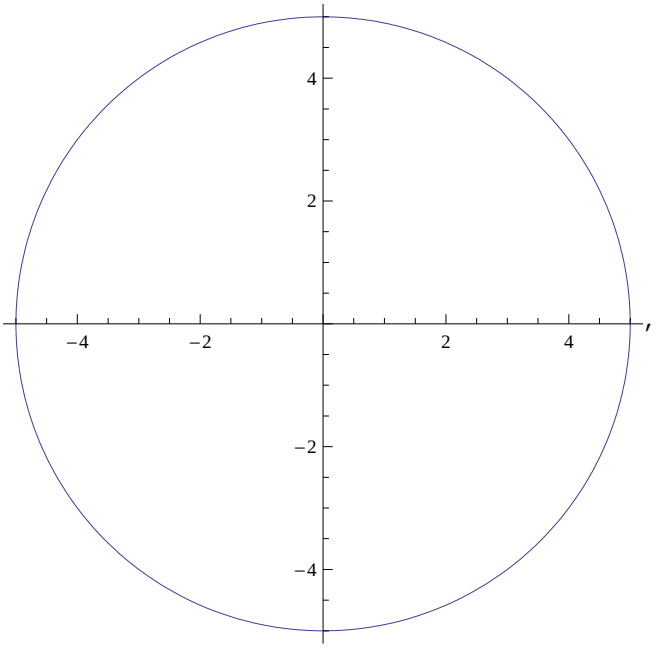

1.0
0.5
−1.0
−0.5
0.5
1.0
−0.5
−1.0

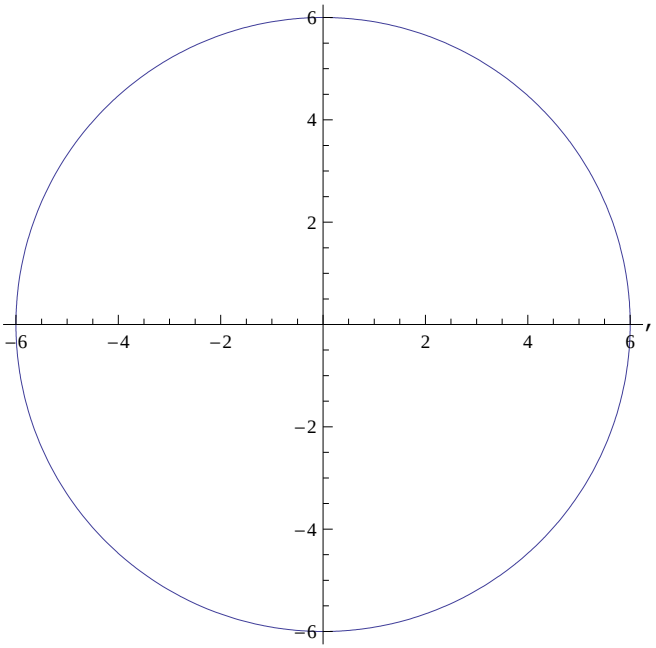

1.0
0.5
−1.0
−0.5
0.5
1.0
−0.5
−1.0

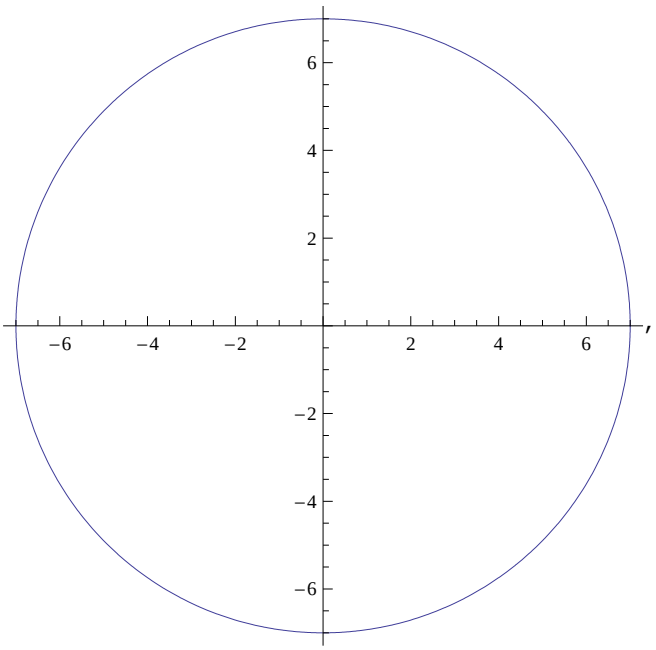

2
1
−2
−1
1
2
−1
−2

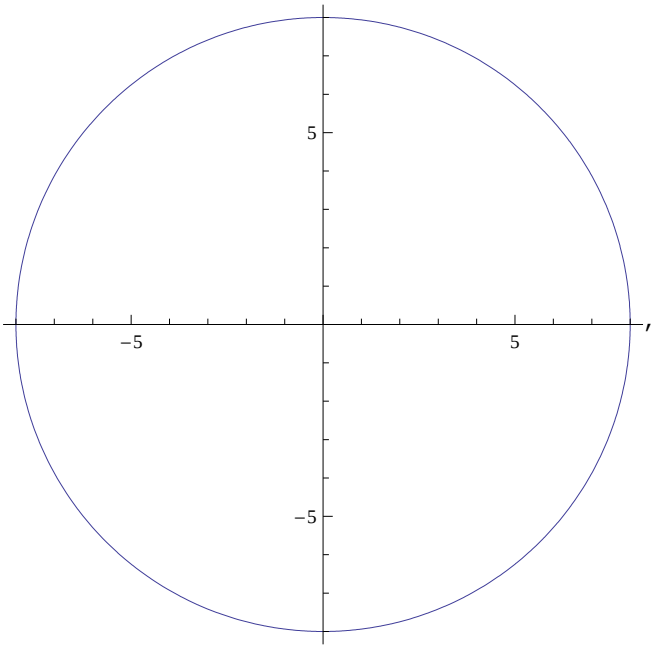

3
2
1
−3
−2
−1
1
2
3
−1
−2
−3


4
2
−4
−2
2
4
−2
−4

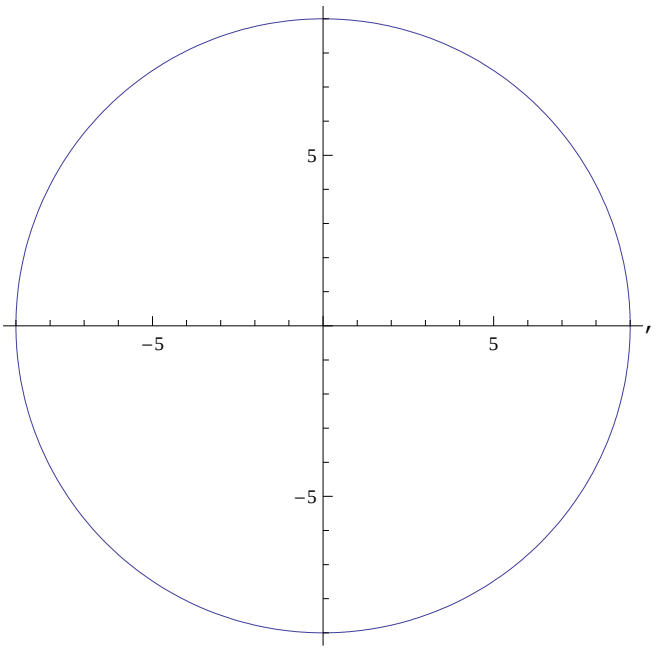

4
2
−4
−2
2
4
−2
−4


6
4
2
−6
−4
−2
2
4
6
−2
−4
−6

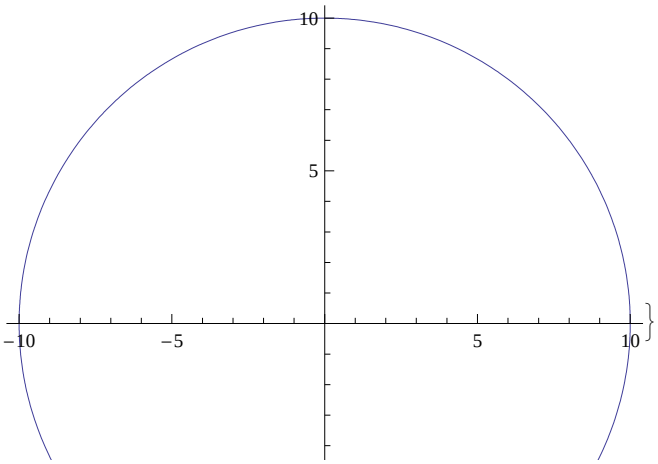

6
4
2
−6
−4
−2
2
4
6
−2
−4
−6


5
−5
5
−5

,


5
−5
5
−5

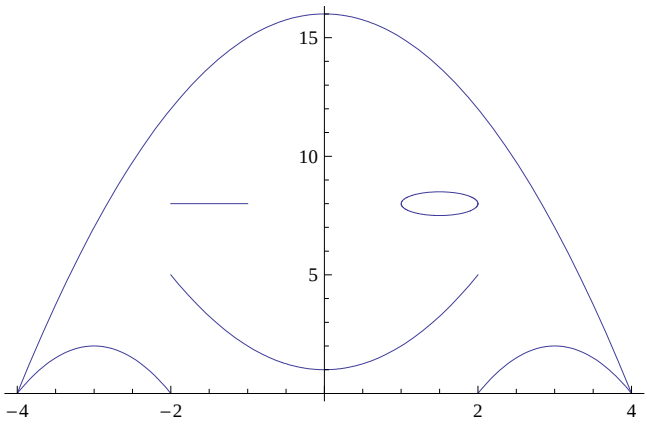
,


10
5
−10
−5
5
10

}

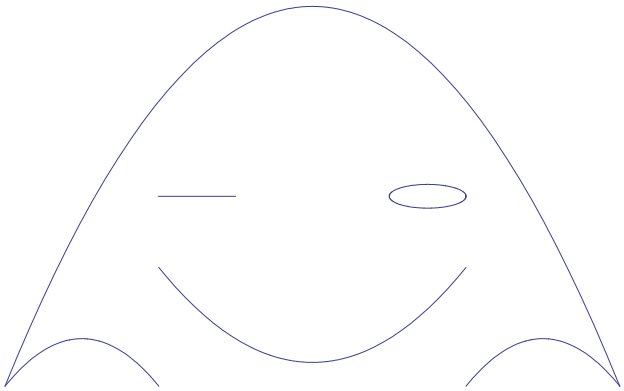
Comando Show

```
rosto := Plot[-(x - 4) (x + 4), {x, -4, 4}]

mao1 := Plot[-2 (x - 4) (x - 2), {x, 2, 4}]

olho1 := Plot[8, {x, -2, -1}]

olho2 := ParametricPlot[{1.5 + 0.5 * Cos[x], 8 + 0.5 * Sin[x]}, {x, 0, 2 * Pi}]

boca := Plot[x^2 + 1, {x, -3, 3}, PlotRange → {0, 5}]

mao2 := Plot[-2 (x + 4) (x + 2), {x, -4, -2}]

Show[rosto, mao1, mao2, olho2, olho1, boca]
```



Comando Axes -> None

```
Show[rosto, mao1, mao2, olho2, olho1, boca, Axes → None]
```



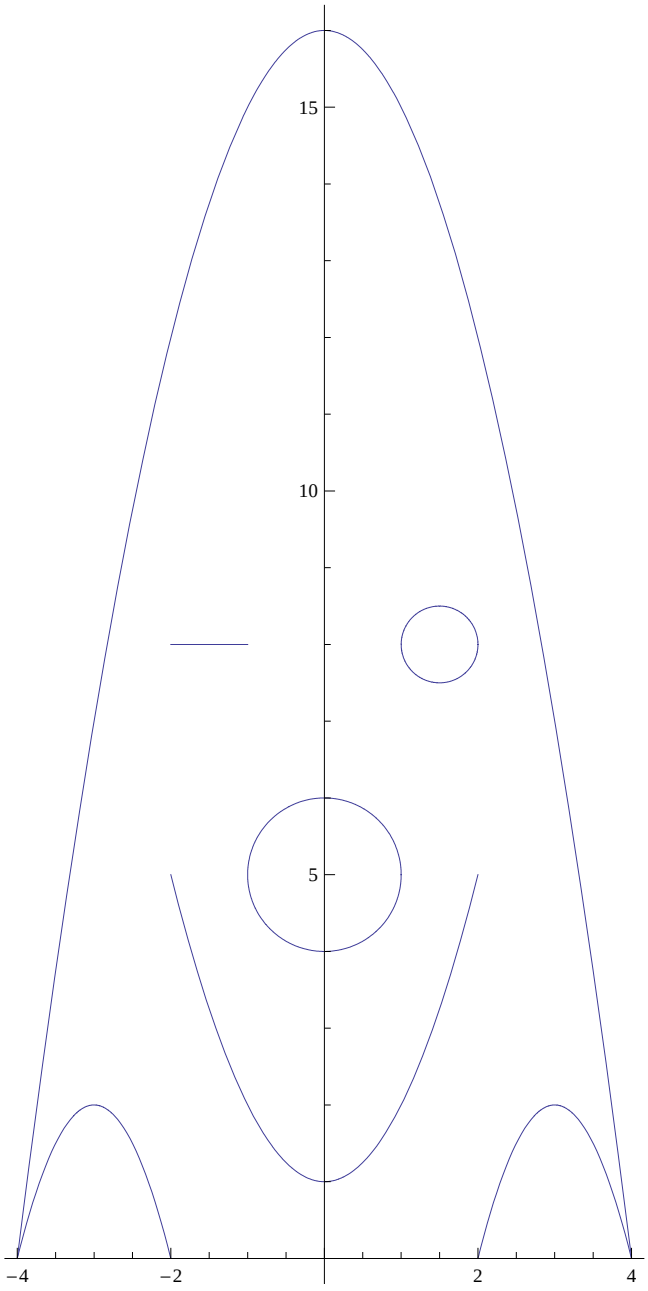
Colocando um nariz

```
nariz := ParametricPlot[{Cos[x], 5 + Sin[x]}, {x, 0, 2 * Pi}]
```

```
Show[rosto, mao1, mao2, olho2, olho1, boca, nariz, Axes → None]
```

Comando AspectRatio

```
Show[rosto, mao1, mao2, olho2, olho1, boca, nariz, AspectRatio → Automatic]
```



```
Show[rosto, mao1, mao2, olho2, olho1, boca, nariz, Axes → None, AspectRatio → Automatic]
```