```
\rightarrow \left(\frac{2}{1}\right)
                                            2.000000000
                                                                                                    (1)
                                                                                                    (2)
                                                  e
 > sqrt(3.)
                                            1.732050808
                                                                                                    (3)
 \Rightarrow \sin(0.1)
                                           0.09983341665
                                                                                                    (4)
 > eval(pi)
                                                                                                    (5)
                                                  \pi
                                                  0
                                                                                                    (6)
                                            2.500000000
                                                                                                    (7)
                                                  П
                                                                                                    (8)
                                            0.5000000000
                                                                                                    (9)
                                            1.732050808
                                                                                                   (10)
> sqrt(3)
                                                \sqrt{3}
                                                                                                   (11)
 > sqrt(3.)
                                            1.732050808
                                                                                                   (12)
> y := (x^2 + 2 \cdot x - 1)^3 \cdot (x^2 - 2)

y := (x^2 + 2x - 1)^3 (x^2 - 2)
                                                                                                   (13)
(14)
 x^{8} + 6x^{7} + 7x^{6} - 16x^{5} - 27x^{4} + 14x^{3} + 17x^{2} - 12x + 2 
 y := 'y' 
 y := y 
 y := (x + n)^{5} 
                                                                                                   (15)
                                                                                                   (16)
                                                                                                   (17)
```

$$|y| = (x+n)^{5}$$

$$|x| = \exp(x)$$

$$|x|^{5} + 5x^{4} + 10x^{2}x^{3} + 10x^{3}x^{2} + 5x^{4}x + x^{5}$$

$$|x| = \int (x-1)(x+1)(x^{2}+1)(x^{4}+1)$$

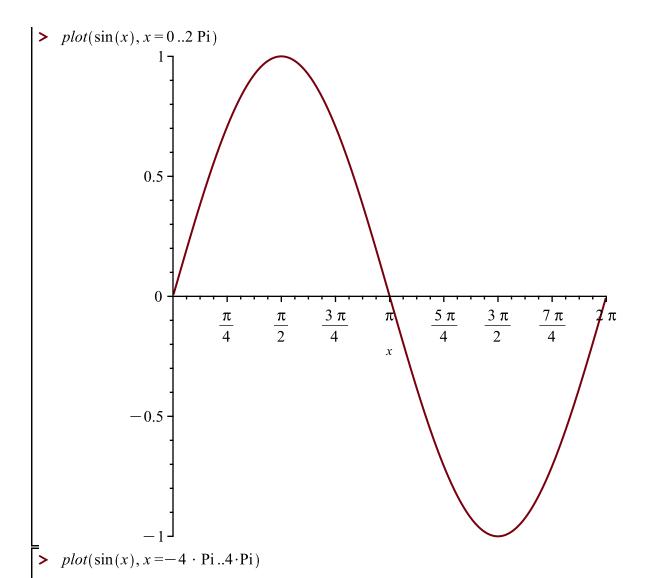
$$|x| = \int (x-1)(x+1)(x^{4}+1)$$

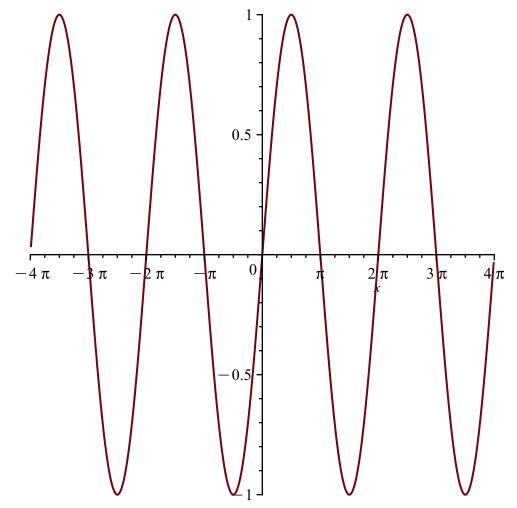
$$|x| = \int (x-1)(x+1)(x+1)(x^{4}+1)$$

$$|x| = \int (x-1)(x+1)(x+1)(x+1)$$

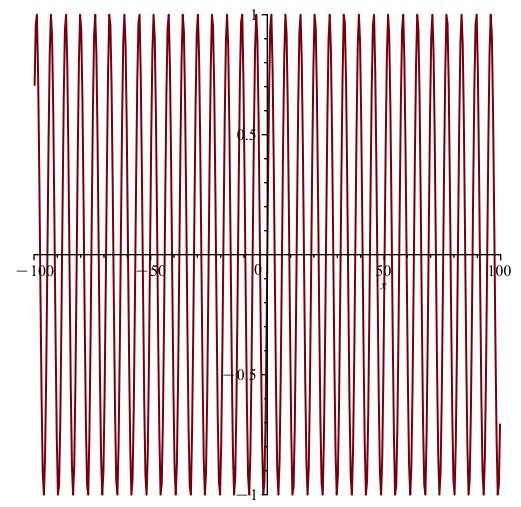
$$|x| = \int (x-1)(x+$$

```
e^{-1} + \sin(1)
                                                                                                 (33)
> f(0)
                                                1
                                                                                                 (34)
e^x - \cos(x)
                                                                                                 (35)
 \rightarrow D(f) (0)
                                                0
                                                                                                 (36)
D(f)(-1)
                                          e^{-1} - \cos(1)
                                                                                                 (37)
e^x + \sin(x)
                                                                                                 (38)
 > int(f(x), x = -1..1)
                                                                                                 (39)
                                                                                                 (40)
                                        g \coloneqq e^x - \sin(x)
                                                                                                 (41)
\Rightarrow eval(g, x=0)
                                                                                                 (42)
\rightarrow diff (g, x)
                                           e^x - \cos(x)
                                                                                                 (43)
> ?diff
> int(g, x = -1..1)
                                                                                                 (44)
                                         f := e^x + \sin(x)
                                                                                                 (45)
\rightarrow eval(f, x = 0)
                                                                                                 (46)
> ?lim
| limit(\frac{\sin(x)}{x}, x = 0)
                                                1
                                                                                                 (47)
0
                                                                                                 (48)
```

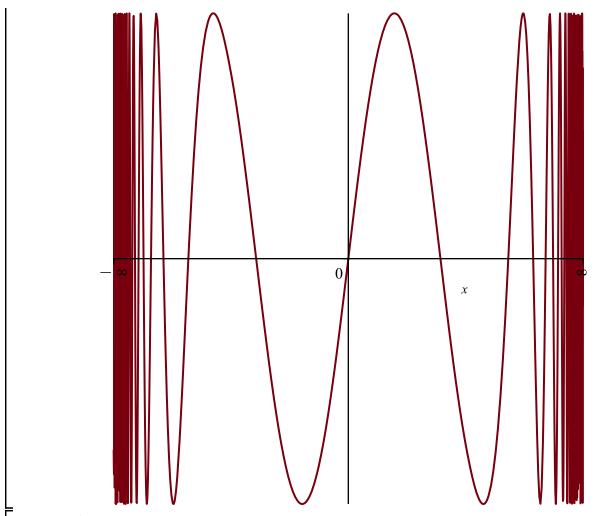


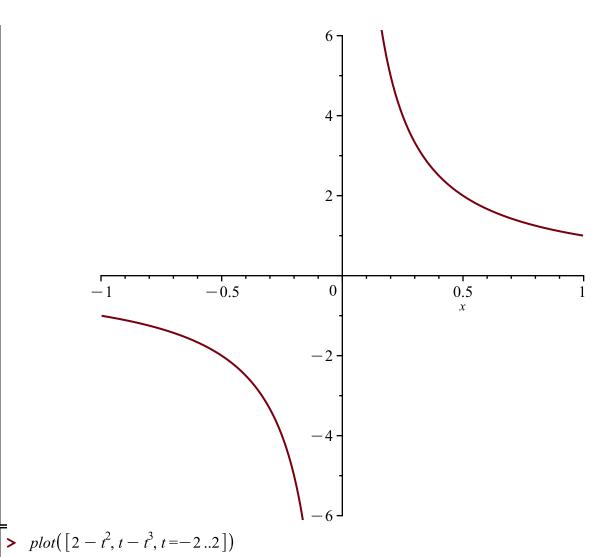


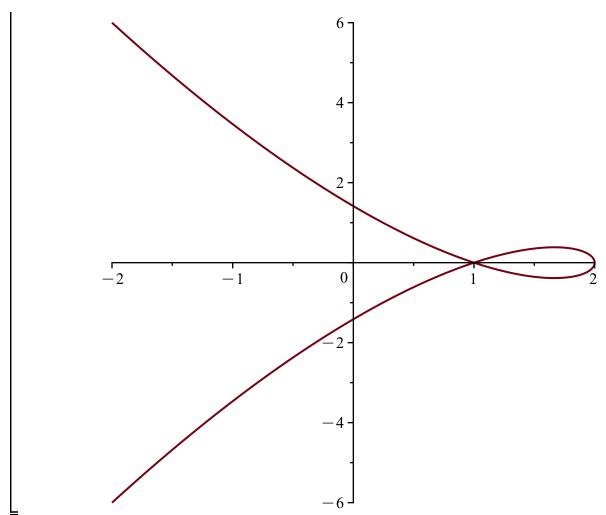
 $\rightarrow plot(\sin(x), x = -100..100)$



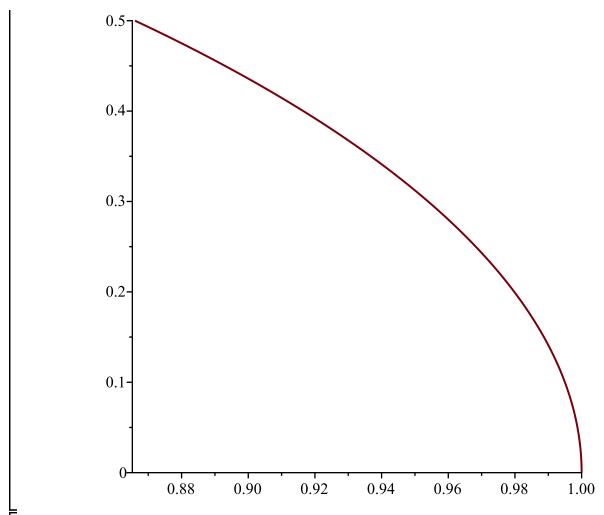
> $plot(\sin(x), x = -\inf(\sin(x), \sin(\sin(x)))$

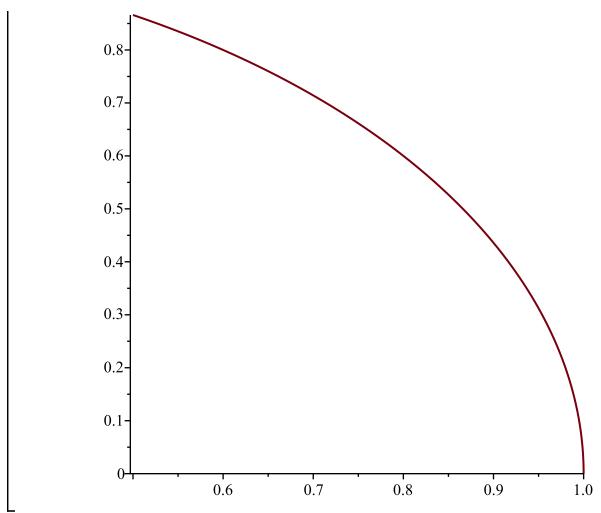


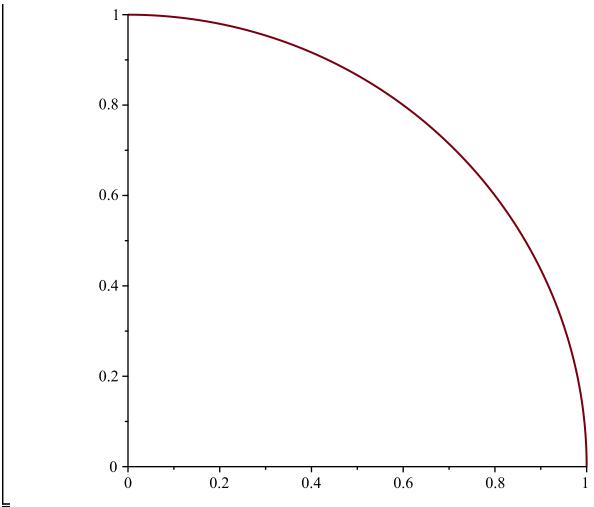




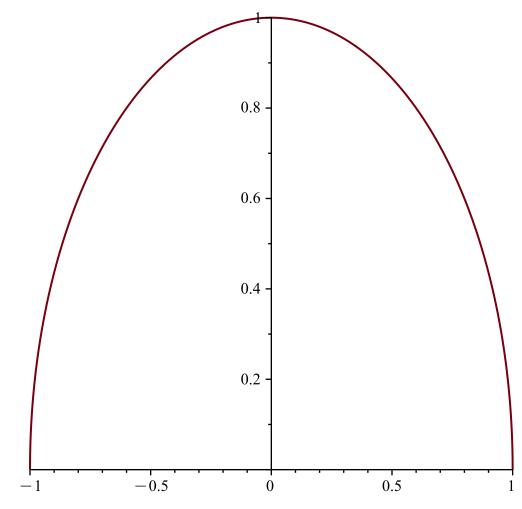
> ?plot
| plot
$$\left[\cos(t), \sin(t), t = 0... \frac{\text{Pi}}{6}\right]$$



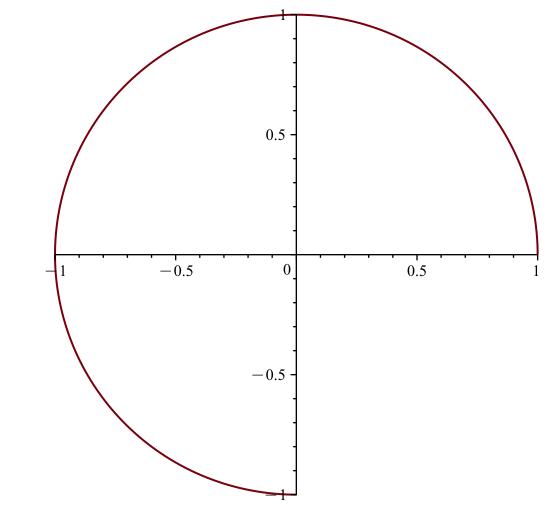




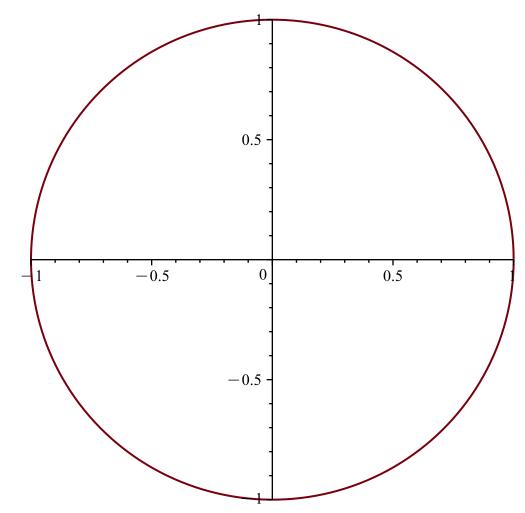
> $plot([\cos(t), \sin(t), t = 0..Pi])$

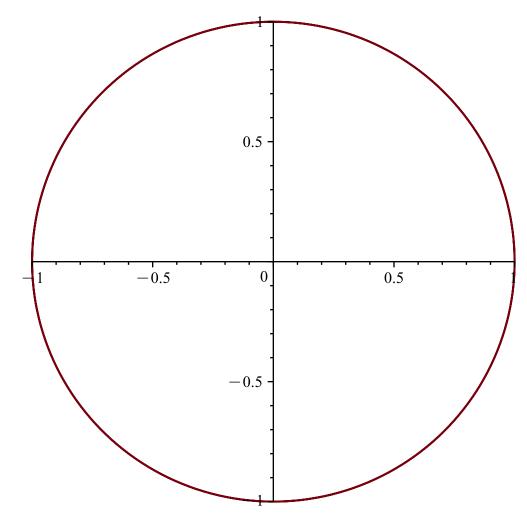


>
$$plot\left(\left[\cos(t),\sin(t),t=0...\frac{3\cdot Pi}{2}\right]\right)$$

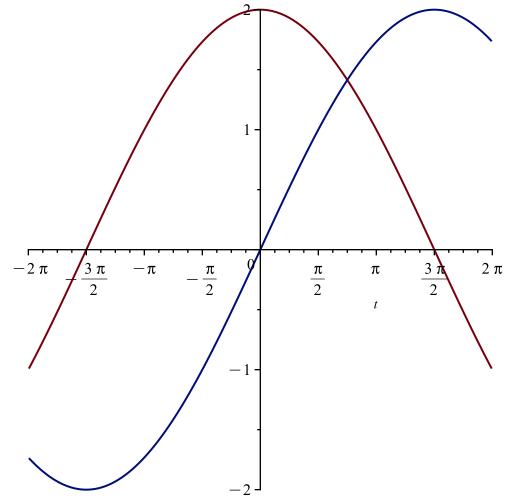


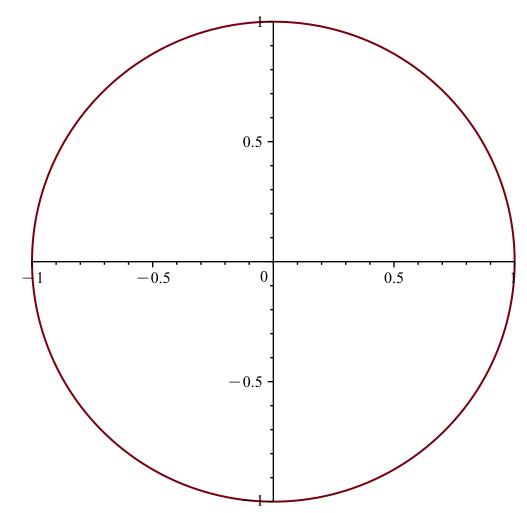
> $plot([\cos(t), \sin(t), t=0...\text{Pi}\cdot2])$



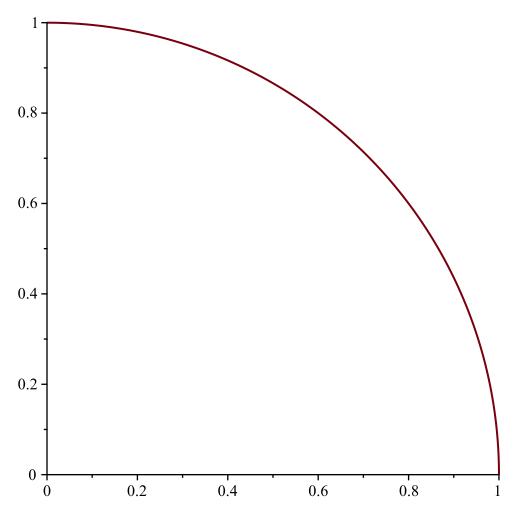


$$> plot\left(\left[2 \cdot \cos\left(\frac{t}{3}\right), 2 \cdot \sin\left(\frac{t}{3}\right)\right]\right)$$





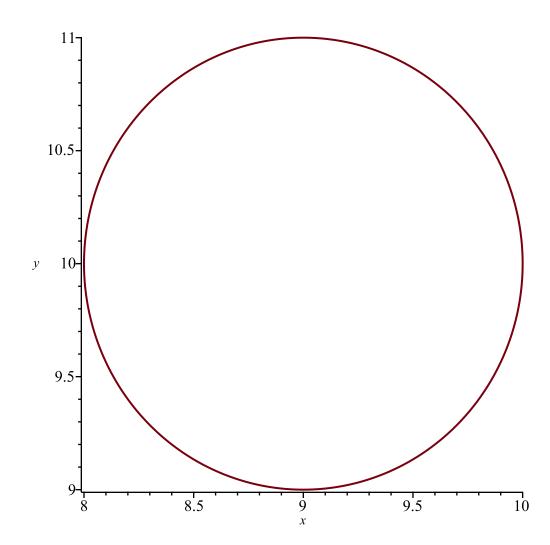
>
$$plot\left(\left[\cos(4\cdot t), \sin(4\cdot t), t=0...\frac{\text{Pi}}{8}\right]\right)$$

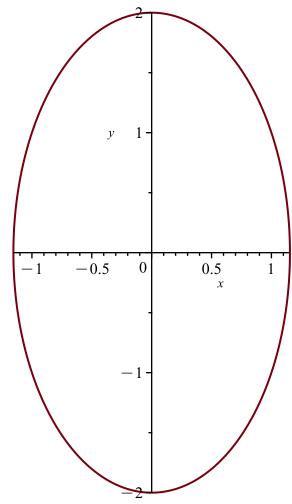


> with(plots)
[animate, animate3d, animatecurve, arrow, changecoords, complexplot, complexplot3d, conformal, conformal3d, contourplot, contourplot3d, coordplot, coordplot3d, densityplot, display, dualaxisplot, fieldplot, fieldplot3d, gradplot, gradplot3d, implicitplot, implicitplot3d, inequal, interactive, interactiveparams, intersectplot, listcontplot, listcontplot3d, listdensityplot, listplot, listplot3d, loglogplot, logplot, matrixplot, multiple, odeplot, pareto, plotcompare, pointplot, pointplot3d, polarplot, polygonplot, polygonplot3d, polyhedra_supported, polyhedraplot, rootlocus, semilogplot, setcolors, setoptions, setoptions3d, shadebetween, spacecurve, sparsematrixplot, surfdata, textplot, textplot3d, tubeplot]

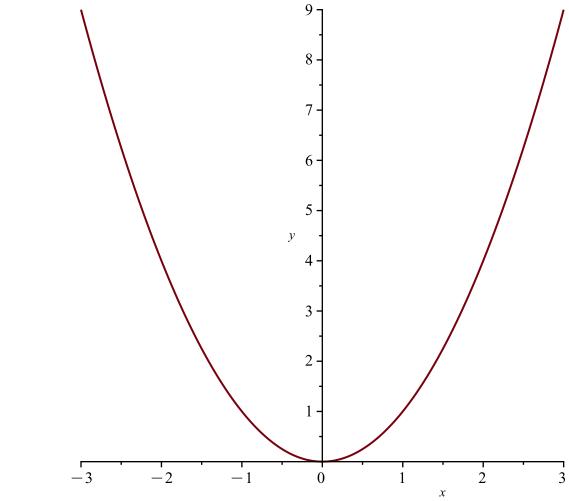
(49)

implicit plot $((x-9)^2 + (y-10)^2 = 1, x = 5...15, y = 2...15)$

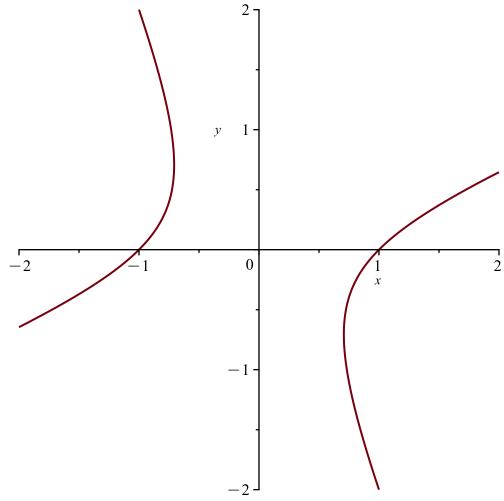




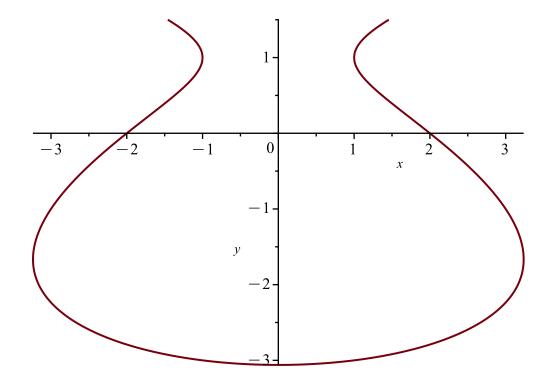
> implicit plot $(y=x^2, x=-3..3, y=0..10)$



= > $implicit plot(x^2 - 2 \cdot x \cdot y - y^2 = 1)$



= $\rightarrow implicit plot(y^3 + y^2 - 5 \cdot y - x^2 = -4)$



> $plot3d(x^2 + y^2)$

