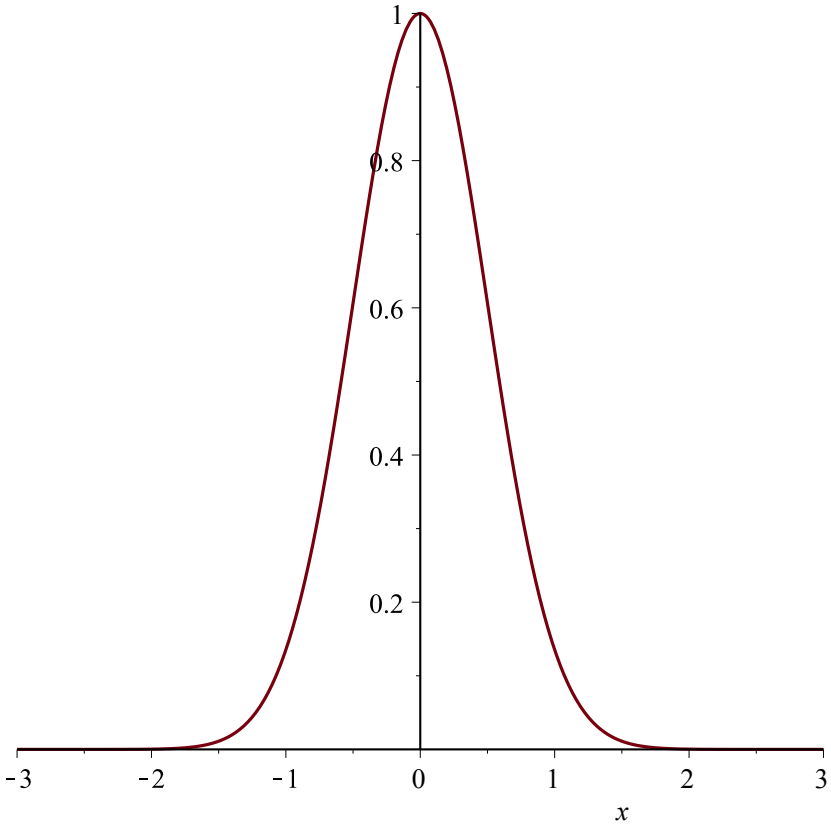
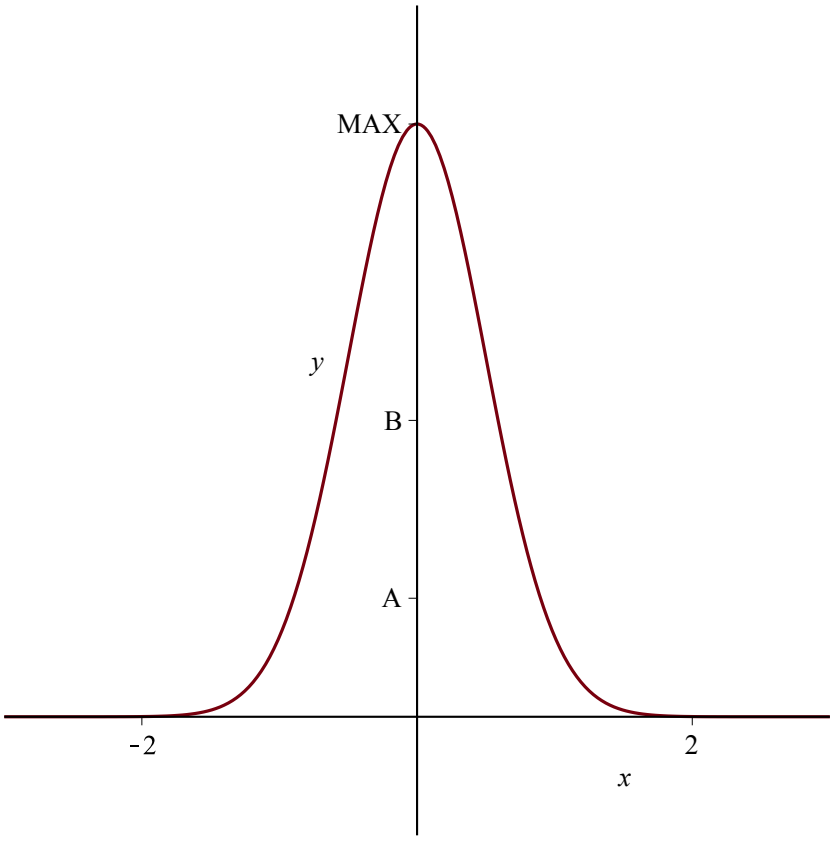
301)

```
> plot(exp(-2*x^2), x=-3..3)
```



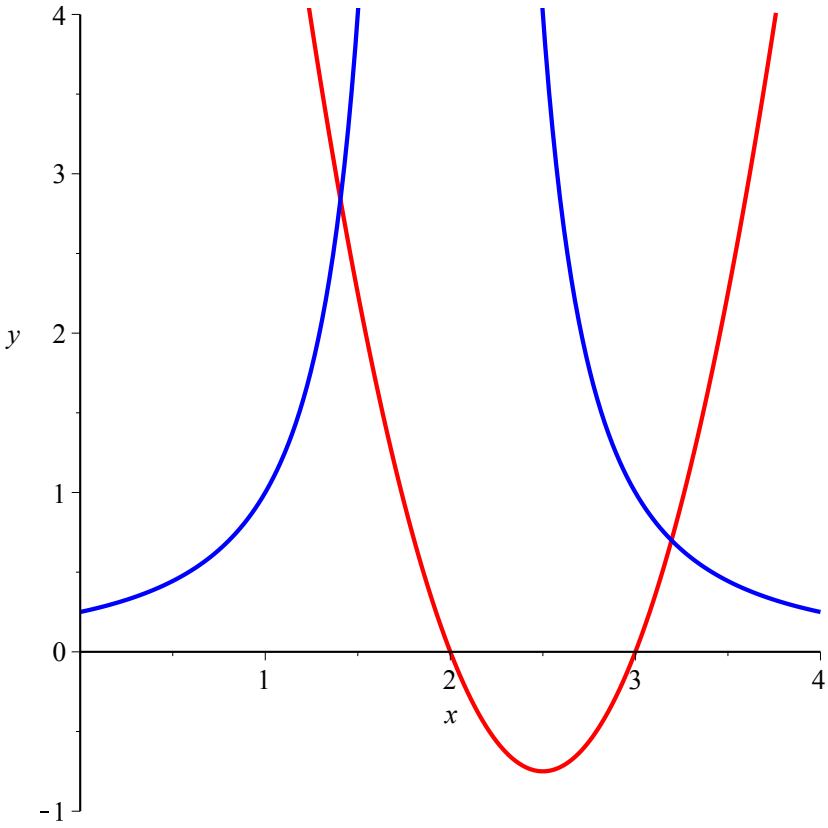
302)

```
> plot(exp(-2*x^2), x=-3..3, y=-0.2..1.2, xtickmarks=3, ytickmarks=[0.2='A', 0.5='B', 1.0='MAX'])
```



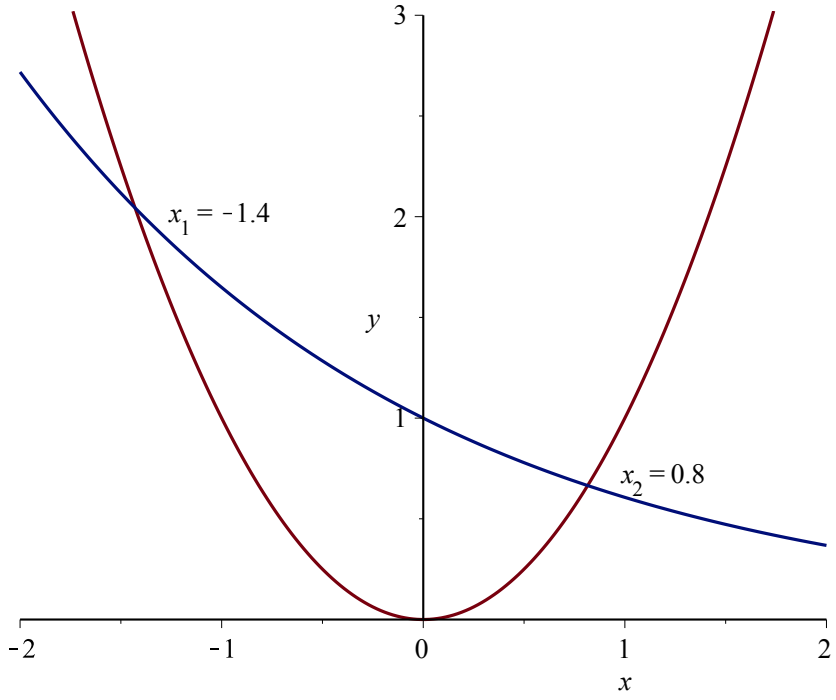
303)

> $plot\left(\left[3x^2-15x+18,\ \frac{1}{(x-2)^2}\right], x=0..4, y=-1..4, color=[red, blue], thickness=2\right)$



304)

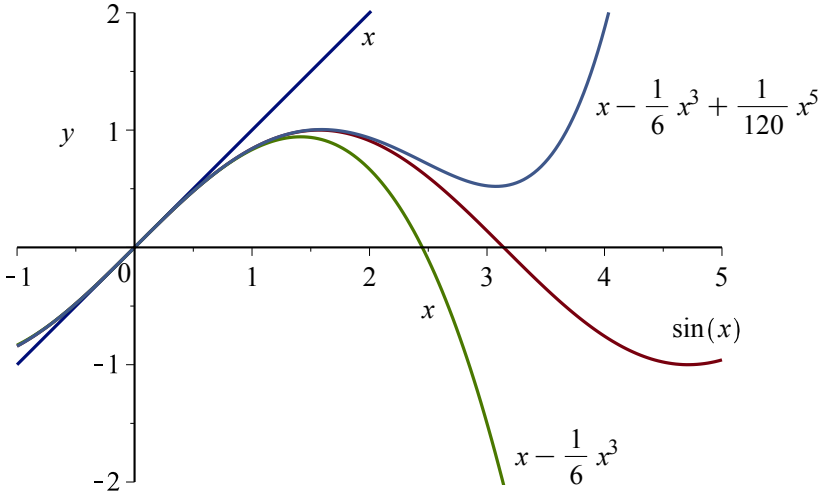
```
> with(plots) :
  with(plottools) :
  text304 := textplot([[-1.0, 2, x1 = -1.4], [1.2, 0.7, x2 = 0.8]]) :
  plot304 := plot([x^2, exp(-0.5 x)], x = -2 ..2 , y = 0 ..3) :
  display({plot304, text304}, scaling = constrained)
```



305)

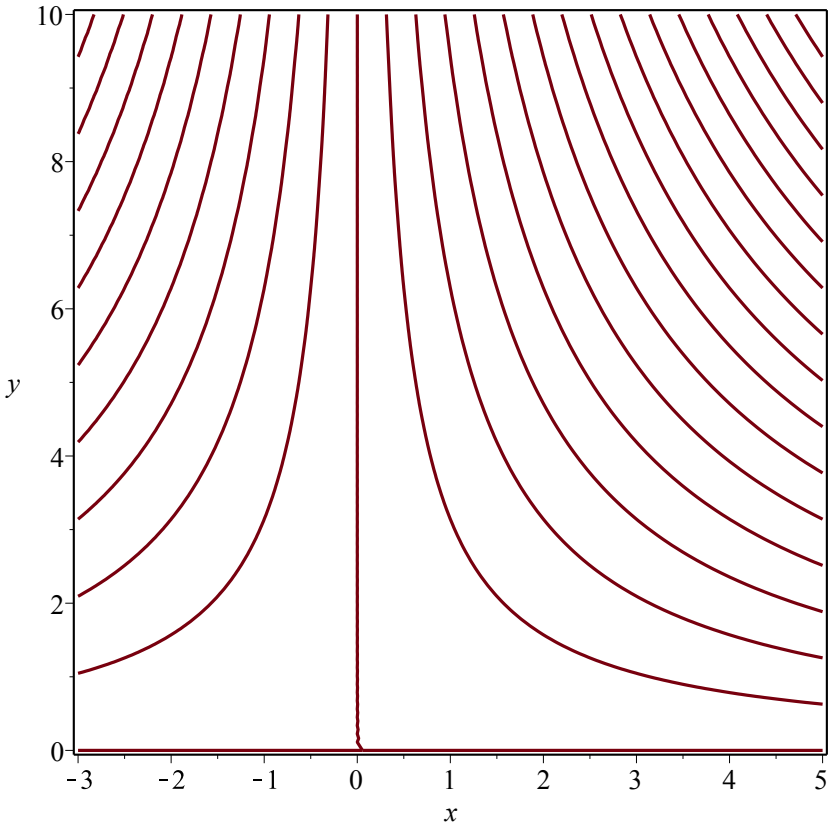
```
> with(plots):
  with(plottools):
  text305 := textplot([[4.9,-0.7, sin(x)], [2, 1.8, x], [3.7,-1.8, x - x^3/6], [4.9, 1.2, x - x^3/6
      + x^5/120]]):
  plot305 := plot([sin(x), x, x - x^3/6, x - x^3/6 + x^5/120], x = -1..5, y = -2..2, title =
      'Taylor Polynoms'):
  display({plot305, text305}, scaling = constrained)
```

Taylor Polynoms



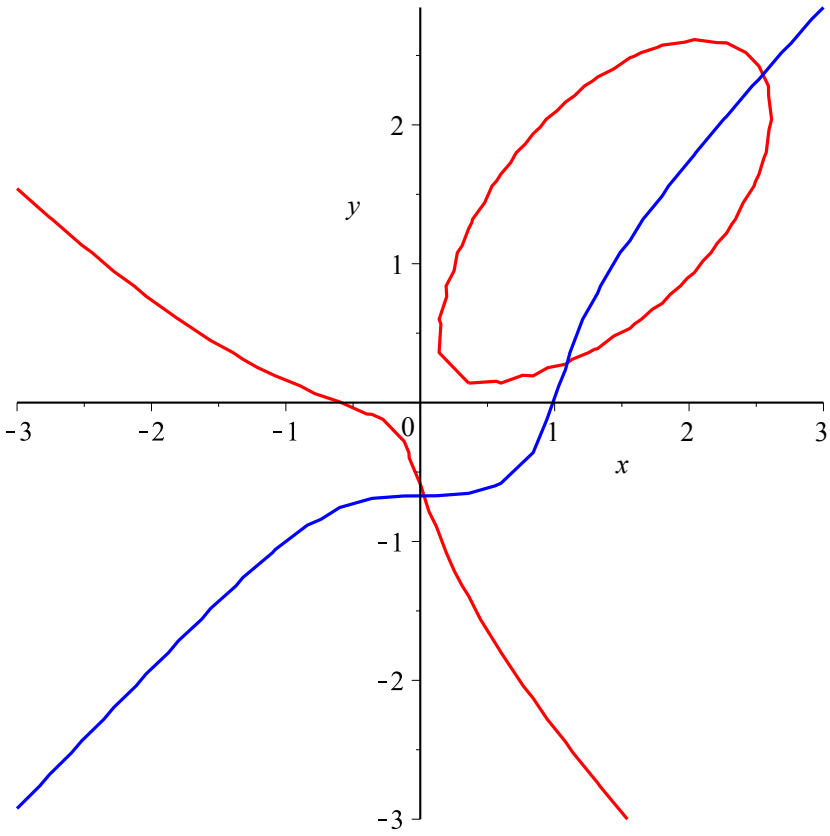
306)

```
> with(plots):
  implicitplot(sin(x·y) = 0, x = -3..5, y = 0..10, grid = [90, 90], axes = boxed)
```



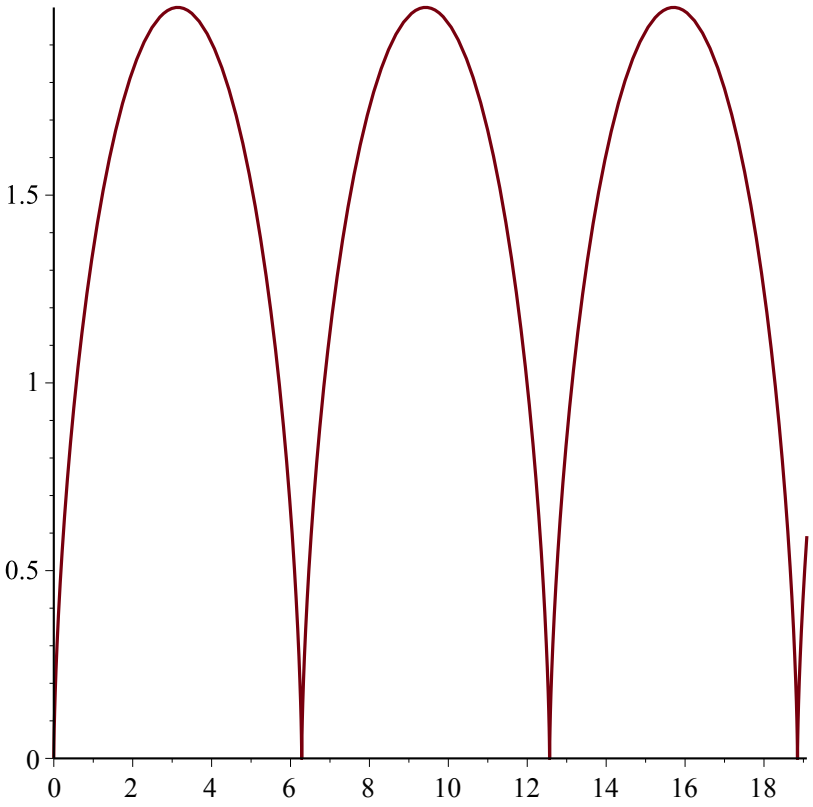
307)

```
> with(plots):
  implicitplot([x^3+y^3-5*x*y+1/5=0, x^3-y^3-y=1], x=-3..3, y=-3..3, color=[red, blue])
```



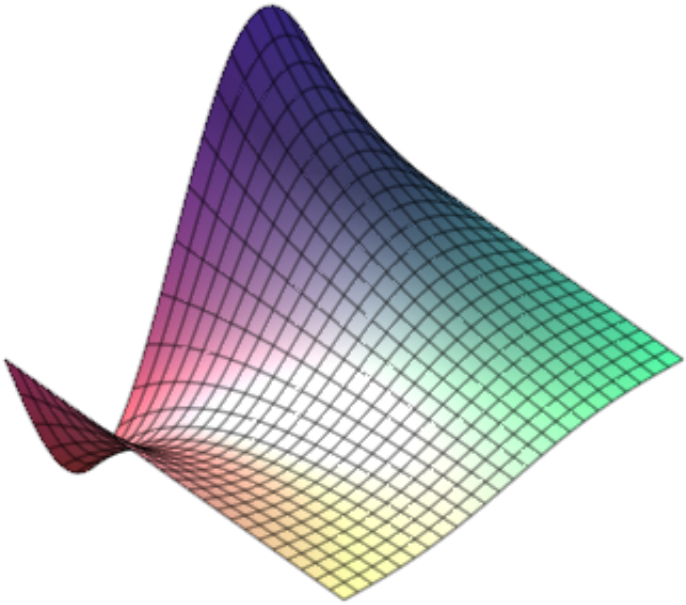
308)

```
> plot( [t - sin(t), 1 - cos(t), t = 0 ..20], )
```

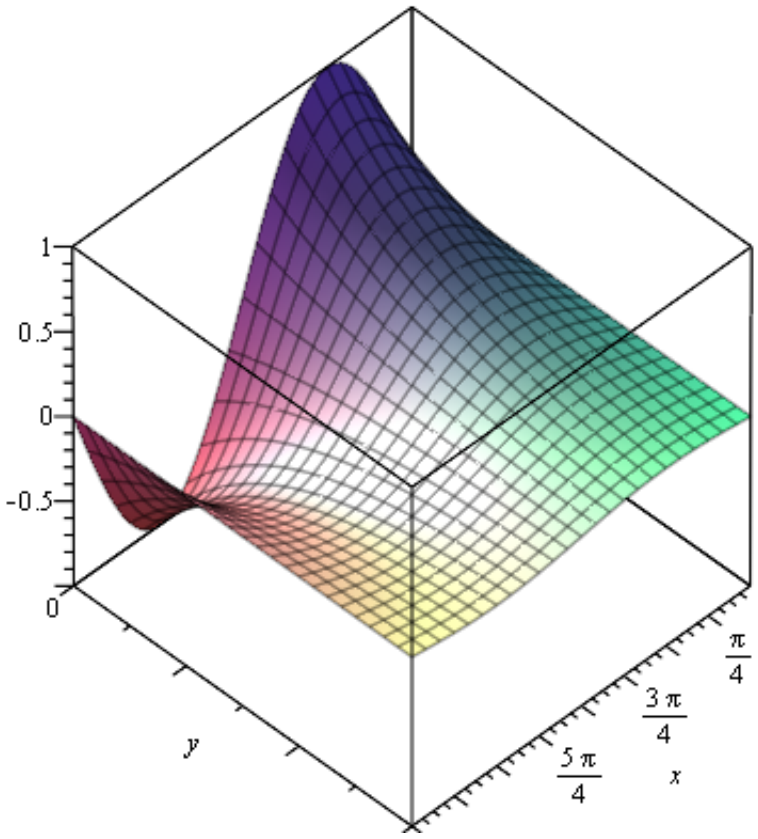


309)

```
> with(plots) :
  plot3d(sin(x)·exp(-y), x = 0..2 Pi, y = 0..3)
```



```
> with(plots):
  plot3d(sin(x)·exp(-y), x=0..2 Pi, y=0..3, axes=boxed)
```


1
0.5
0
-0.5
0
y
5 π
4
3 π
4
π
4
x