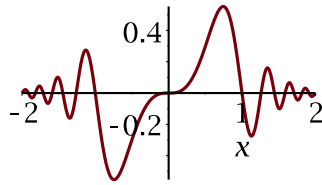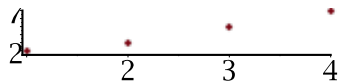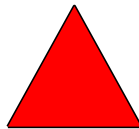```
> with(plots):
> f:=x->exp(-x^2)*sin(Pi*x^3):
> plot(f(x), x=-2..2);
```
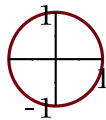


```
> plot([sin(x), cos(x)], x=-Pi..Pi, color=[blue,red]);
> plot(sin(x^2)/x^2, x=-6..6, y=0..1);
> plot(sin(x^2)/x^2, x=-6..6, y=0..1, scaling=constrained);
> plot([[1,2],[2,3],[3,5],[4,7]], style=point);
```
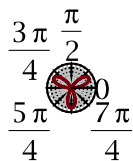


```
> plots[polygonplot]([[3,-2],[7,-2],[5,5]],color=red, axes=none);
```
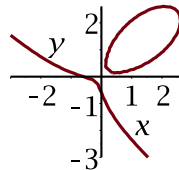


```
> plot(x/(1-cos(5*x)), x=-5..5, y=-5..5, numpoints=200);
> plot([cos(t), sin(t),t=0..2*Pi], scaling=constrained);
```



```
> polarplot(sin(3*theta), theta=0..2*Pi);
```
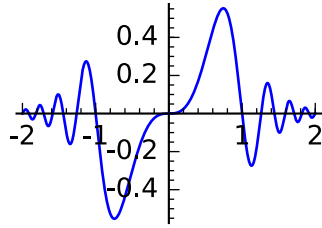


```
> implicitplot(x^3+y^3-5*x*y+1/5=0,x=-3..3,y=-3..3);
```
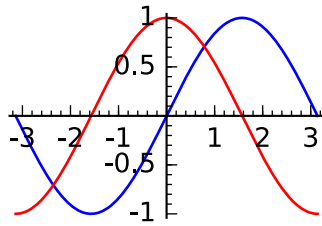
f(x)=e^(-x^2)*sin(pi*x^3)
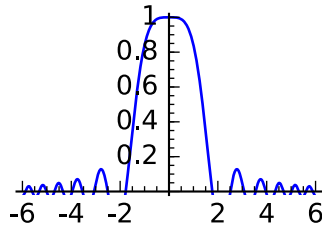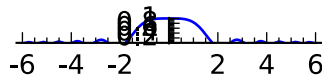
plot(f(x),(x,-2,2),figsize=2)

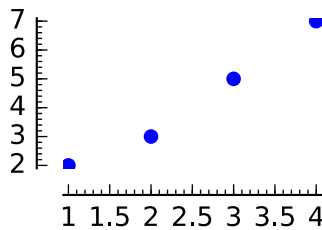plot(sin(x),(x,-pi,pi), color='blue')+plot(cos(x),(x,-pi,pi), color='red',figsize\
=2)

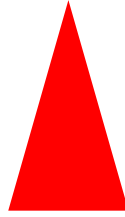

plot(sin(x^2)/x^2, (x,-6,6),ymin=0,ymax=1,figsize=2)

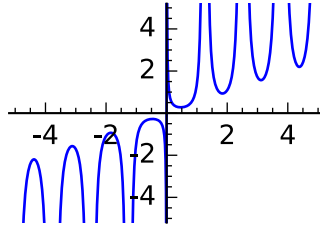

plot(sin(x^2)/x^2, (x,-6,6),ymin=0,ymax=1,aspect_ratio=1,figsize=2)
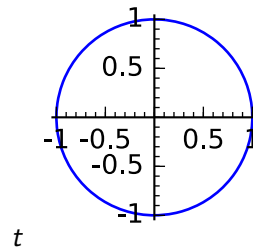

point([(1,2),(2,3),(3,5),(4,7)], size=30,figsize=2)

```
polygon([(3,-2),(7,-2),(5,5)],color='red',axes=False,figsize=2)
```
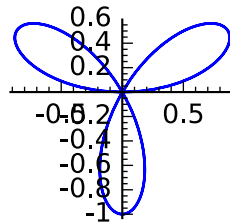
```
plot(x/(1-cos(5*x)), (x,-5,5), ymin=-5, ymax=5, plot_points=200,figsize=2)
```

```
var('t');parametric_plot((cos(t),sin(t)),(t,0,2*pi),aspect_ratio=1,figsize=2)
```
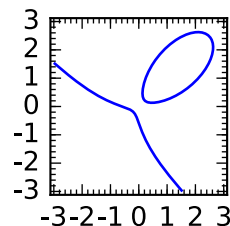
t

```
polar_plot(sin(3*t), (t, 0, 2*pi),figsize=2)
```

```
var('y')
```

y

```
implicit_plot(x^3+y^3-5*x*y+1/5, (x,-3,3), (y,-3,3), figsize=2)
```

```
c=plot(sin(x),(x,-pi,pi));c.save('sin.pdf',aspect_ratio=1)
```