```
>> syms x y z t
>> x=[1 2 3 4 5]

x =

    1    2    3    4    5

>> y=[3 -1 0 5 2]

y =

    3   -1    0    5    2

>> plot(x,y)
>> f=inline('z.^3+z-1')

f =

     Inline function:
     f(z) = z.^3+z-1

>>  z=linspace(0,5, 101);
>> plot(z,f(z))
>>
>> syms x
>> f=cos(x)^2*exp(x)

f =

exp(x)*cos(x)^2

>> ezplot(f,[-1,5])

syms t
>> x=cos(t)

x =

cos(t)

>> y=sin(t)

y =

sin(t)

>> ezplot(x,y)
>>
```

```
>> z=t/pi

z =

t/pi

>> ezplot3(x,y,z,[0,4*pi])
>>
>> x=-1:.1:1;
>> y=0:.1:4;
>> [X,Y]=meshgrid(x,y);
>> f=inline('x.^2+y.^2','x','y');
>> surf(X,Y,f(X,Y))
>>
```