```
>> syms x y
>> f=x^2+3*x-1/x

f =

3*x - 1/x + x^2

>> ezplot(f,[-2,2])
>> int(f,x)

ans =

(3*x^2)/2 - log(x) + x^3/3

>> int(1/sqrt(1-x^2),x)

ans =

asin(x)

>> int(2^x,x)

ans =

2^x/log(2)

>> int(x*exp(x^2),x)

ans =

exp(x^2)/2

>> int(sin(cos(x))*sin(x),x)

ans =

cos(cos(x))

>> int(x^(1/3)+1,x,1,8)

ans =

73/4
>> f=x^2-4*x+3

f =

x^2 - 4*x + 3
```

```
>> g=-x^2+2*x+3

g =

- x^2 + 2*x + 3

>> ezplot(f,[-1,5])
>> hold on
>> ezplot(g,[-1,5])
>> hold off
>> solve(f-g,x)

ans =

 0
 3

>> int(g-f,x,0,3)

ans =

9
```