

```
>> 2+3
```

```
ans =
```

```
5
```

```
>> 7-1
```

```
ans =
```

```
6
```

```
>> 9*6
```

```
ans =
```

```
54
```

```
>> 24/4
```

```
ans =
```

```
6
```

```
>> x = [1 2 3 4 5]; y= [5 4 3 2 1];
```

```
>> x = [1 3 5 7 9]; y= [9 7 5 3 1];
```

```
>> x<y
```

```
ans =
```

```
1×5 logical 배열
```

```
1 1 0 0 0
```

```
>> x<=y
```

```
ans =
```

```
1×5 logical 배열
```

```
1 1 1 0 0
```

```
>> x==y
```

```
ans =
```

```
1×5 logical 배열
```

```
0 0 1 0 0
```

```
>> x>=y
```

```
ans =
```

```
1×5 logical 배열
```

```
0 0 1 1 1
```

```
>> x>y
```

```
ans =
```

```
1×5 logical 배열
```

```
0 0 0 1 1
```

```
>> for x=0:2:8
```

```
a=2^x
```

```
end
```

```
a =
```

```
1
```

```
a =
```

```
4
```

```
a =
```

```
16
```

```
a =
```

```
64
```

```
a =
```

```
256
```

```
>> a=6;
```

```
>> if a<3
```

```
b=a+2
```

```
else
```

```
c=a-2
```

```
end
```

```
c =
```

```
4
```

```
>> a=2;
```

```
>> while a<7
```

```
a=a+2
```

```
end
```

```
a =
```

```
4
```

```
a =
```

```
6
```

```
a =
```

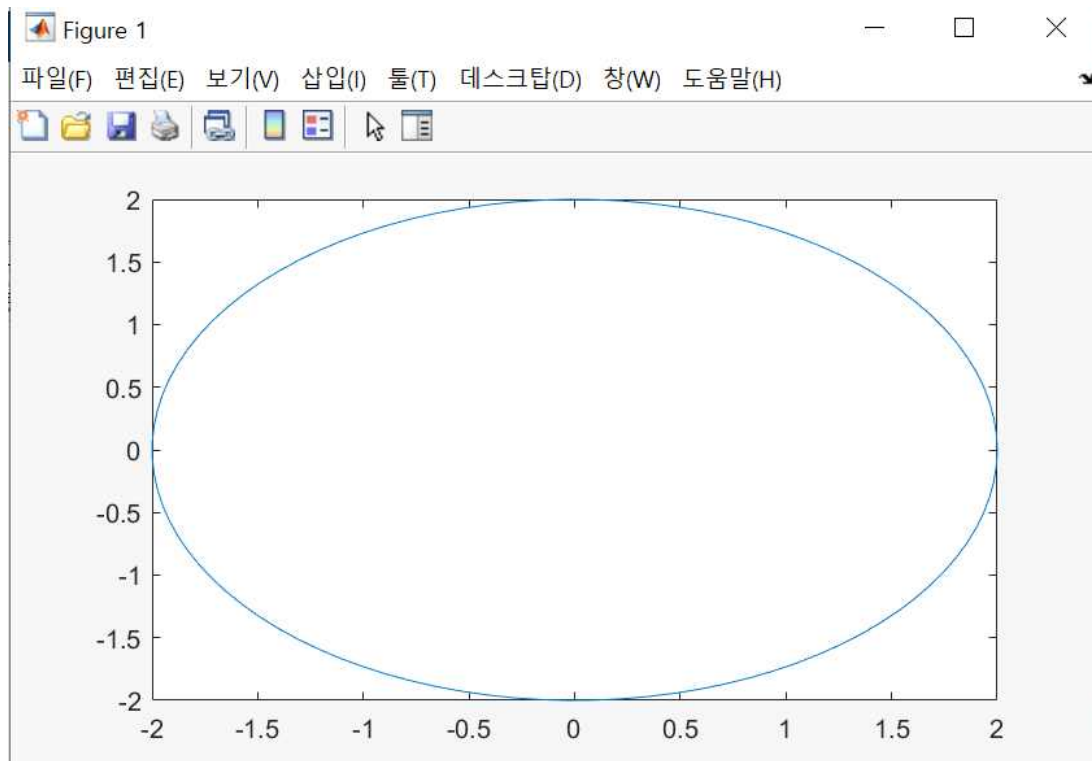
```
8
```

```
>> a=1; b=2; c=3;
```

```
>> b=2
```

```
b =
```

```
2
```



```
>> f=inline('x.^3+6*x-2','x');  
>> f(1)
```

```
ans =
```

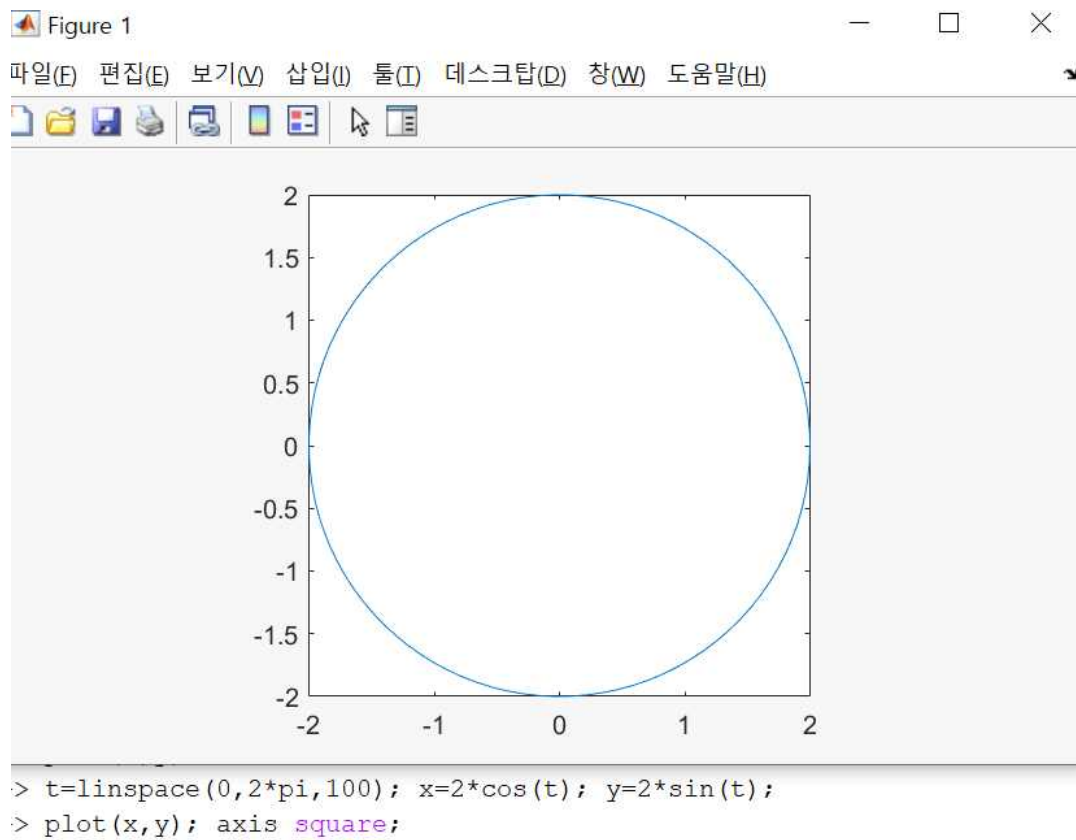
```
5
```

```
>> f  
>> f=inline('x.^3+6*x-2','x');  
>> f([1 2 3])
```

```
ans =
```

```
5    18    43
```

```
>> t=linspace(0,2*pi,100); x=2*cos(t); y=2*sin(t);  
>> plot(x,y)
```



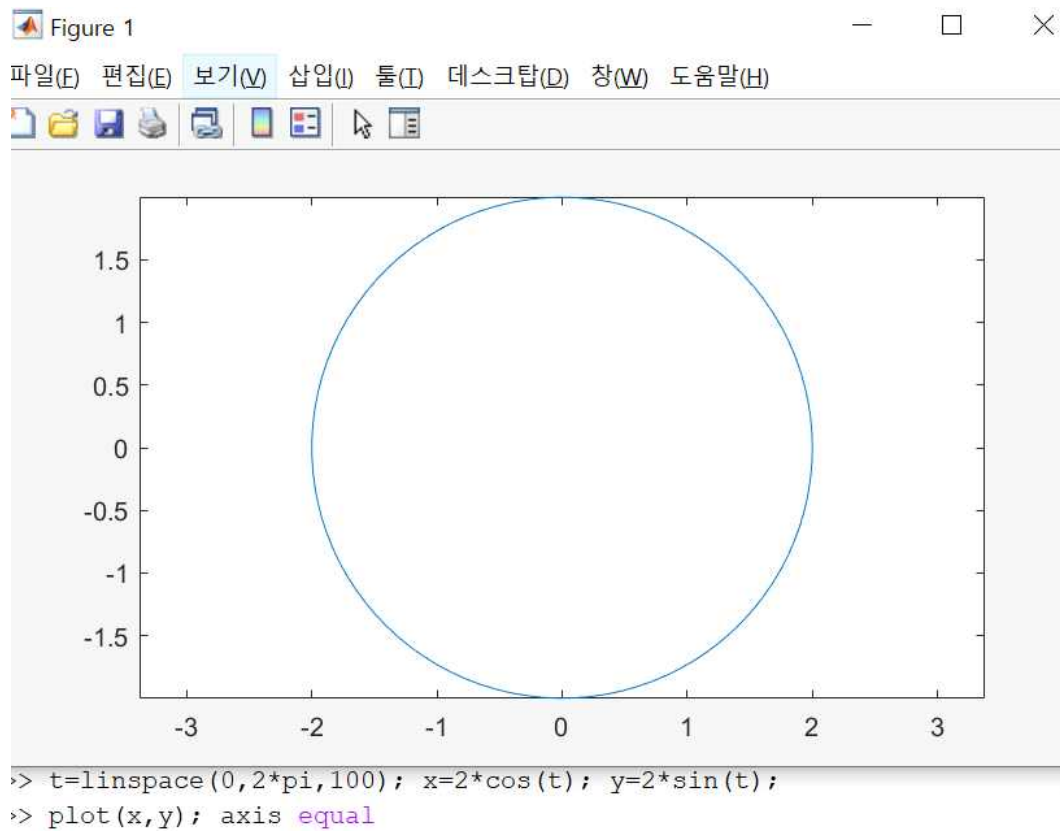
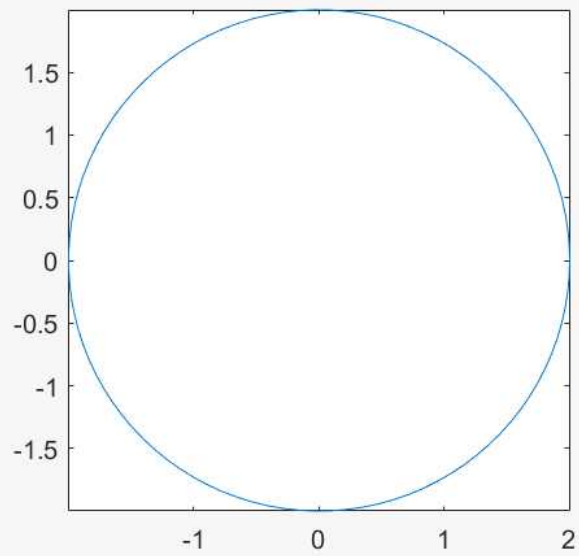


Figure 1

파일(F) 편집(E) 보기(V) 삽입(I) 툴(T) 데스크탑(D) 창(W) 도움말(H)



```
> t=linspace(0,2*pi,100); x=2*cos(t); y=2*sin(t);  
> plot(x,y); axis image;
```

```

>> f=inline('x.^3+6*x-2','x');
>> f(1)

ans =

     5

>> f
>> f=inline('x.^3+6*x-2','x');
>> f([1 2 3])

ans =

     5     18     43

>> t=linspace(0,2*pi,100); x=2*cos(t); y=2*sin(t);
>> plot(x,y)
>> t=linspace(0,2*pi,100); x=2*cos(t); y=2*sin(t);
>> plot(x,y); axis square;
>> t=linspace(0,2*pi,100); x=2*cos(t); y=2*sin(t);
>> plot(x,y); axis equal
>> t=linspace(0,2*pi,100); x=2*cos(t); y=2*sin(t);
>> plot(x,y); axis image;

```

```
>> ones(4)
```

```
ans =
```

```
    1    1    1    1
    1    1    1    1
    1    1    1    1
    1    1    1    1
```

```
>> zeros(3)
```

```
ans =
```

```
    0    0    0
    0    0    0
    0    0    0
```

```
>> C=[1 2 3 4]; length(C)
```

```
ans =
```

```
    4
```

```
>> A=[1 2 3; 4 5 6; 7 8 9];
```

```
>> sum(A)
```

```
ans =
```

```
    12    15    18
```

```
>> abs(-2)
```

```
ans =
```

```
    2
```

```
>> fp=fopen('test.m','w');
```

```
>> fprintf(fp, '%d %d\n', 1, 2);
```

```
>> fprintf(fp, '%f %f\n', 3.5, 4.5);
```

```
>> fprintf(fp, '%e %e\n', 100, 1000);
```

```
>> fclose(fp);
```

```
>> a=load('test.m');
```

```

1      1 2
2      3.500000 4.500000
3      1.000000e+02 1.000000e+03
4

```

```
>> Random_matrix=rand(2,3)
```

```
Random_matrix =
```

```

    0.8147    0.1270    0.6324
    0.9058    0.9134    0.0975

```

```
>> rand('seed',3)
```

```
>> rand(2,3)
```

```
ans =
```

```

    0.5387    0.0512    0.3010
    0.3815    0.2851    0.1277

```

