

```
>> 1+3
```

```
ans =
```

```
4
```

```
>> 13-4
```

```
ans =
```

```
9
```

```
>> 12*3
```

```
|
```

```
ans =
```

```
36
```

```
>> 36/3
```

```
ans =
```

```
12
```

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

```
y =
```

```
5     4     3     2     1
```

```
>> x<y
```

```
ans =
```

```
1×5 logical 배열
```

```
1     1     0     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
```

a =

1

a =

4

a =

16

a =

64

a =

256

a =

1024

```
>> a=3;  
>> if a<1  
b=a+1  
else c=a+2  
end
```

c =

5

```
>> a=1;  
>> while a<4  
a=a+1  
end
```

```
a =
```

```
2
```

```
a =
```

```
3
```

```
a =
```

```
4
```

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

```
b =
```

```
2
```

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

```
ans =
```

```
43
```

```
>> f=inline('x.^3+6*x-2','x');  
>> f([3 4 5])
```

```
ans =
```

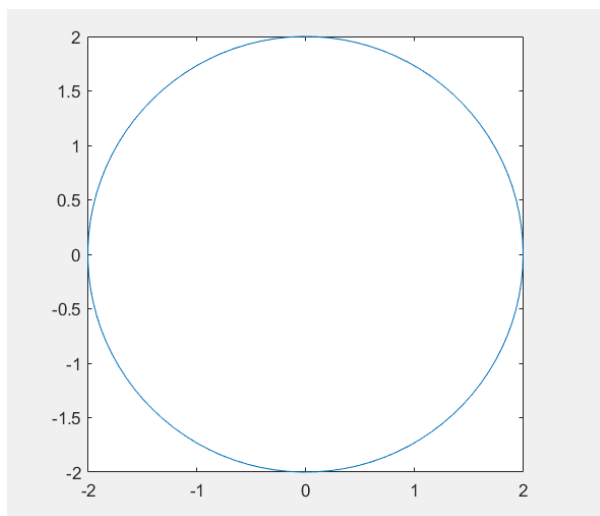
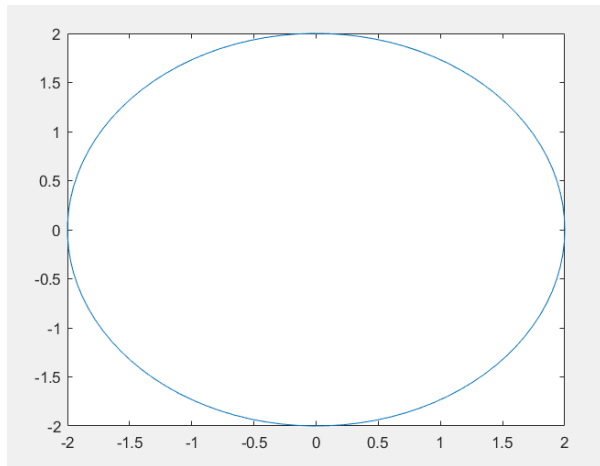
```
43    86   153
```

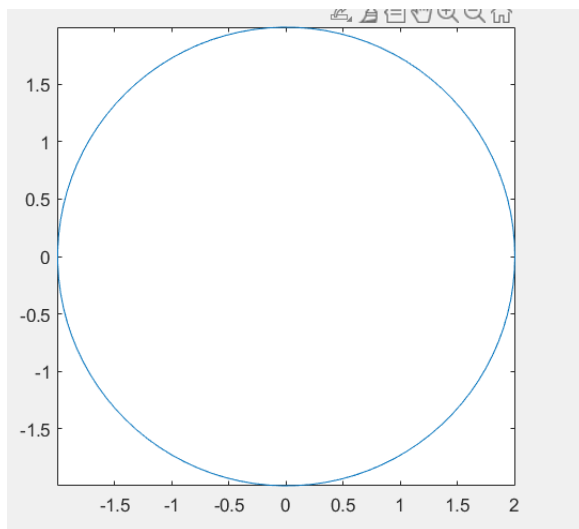
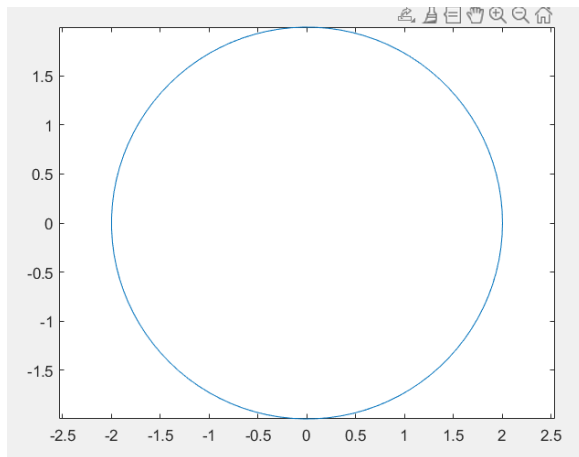
```
>> x=linspace(0,5,6)
```

```
x =
```

```
    0    1    2    3    4    5
```

```
>> 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(3)
```

```
ans =
```

```
1    1    1
```

```
1    1    1
```

```
1    1    1
```

```
>> zeros(2)
```

```
ans =
```

```
0    0
```

```
0    0
```

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

```
ans =
```

```
3
```

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

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

```
ans =
```

```
12    15    18
```

```
>> abs(-3)
```

```
ans =
```

```
3
```

```
>> 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');
```

```
>> 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
```

```
>>
```