

```
1\2
```

```
ans = 2
```

```
-5^2
```

```
ans = -25
```

```
(-5)^2
```

```
ans = 25
```

```
10-6/2
```

```
ans = 7
```

```
5*4/2*3
```

```
ans = 30
```

```
round(rand*[20,35])
```

```
ans = 1×2  
15 26
```

```
x = 4
```

```
x = 4
```

```
3<x<5
```

```
ans = logical  
1
```

```
3 == 5+2
```

```
ans = logical  
0
```

```
'b' < 'a' + 1
```

```
ans = logical  
0
```

```
10 > 5 + 2
```

```
ans = logical  
1
```

```
(10>5) + 2
```

```
ans = 3
```

```
'c' == 'd' -1 && 2 < 4
```

```
ans = logical  
1
```

```
'c' == 'd' -1 | 2>4
```

```
ans = logical
      1
```

```
xor('c' == 'd' - 1, 2>4)
```

```
ans = logical
      1
```

```
xor('c' == 'd' - 1, 2<4)
```

```
ans = logical
      0
```

```
10>5> 2
```

```
ans = logical
      0
```

```
'b' >= 'c' - 1
```

```
ans = logical
      1
```

```
rand*(50-20)+20
```

```
ans = 39.3943
```

```
mat = [1 :3; 44 9 2; 5:-1:3]
```

```
mat = 3x3
      1      2      3
     44      9      2
      5      4      3
```

```
mat (3 , 2)
```

```
ans = 4
```

```
mat (2, : )
```

```
ans = 1x3
     44      9      2
```

```
size (mat)
```

```
ans = 1x2
      3      3
```

```
mat ( : , 4) = [8 ; 11;33]
```

```
mat = 3x4
      1      2      3      8
     44      9      2     11
      5      4      3     33
```

```
numel (mat )
```

```
ans = 12
```

```
v = mat (3, : )
```

```
v = 1×4  
    5     4     3    33
```

```
v (v (2) )
```

```
ans = 33
```

```
v (1) = []
```

```
v = 1×3  
    4     3    33
```

```
reshape (mat , 2 , 6)
```

```
ans = 2×6  
    1     5     9     3     3    11  
   44     2     4     2     8    33
```

```
ones(2)*10
```

```
ans = 2×2  
   10    10  
   10    10
```

```
A = [1,4;3,3]
```

```
A = 2×2  
    1     4  
    3     3
```

```
B = [1 2;-1 0]
```

```
B = 2×2  
    1     2  
   -1     0
```

```
A.*B
```

```
ans = 2×2  
    1     8  
   -3     0
```

```
A*B
```

```
ans = 2×2  
   -3     2  
    0     6
```

```
B*A
```

```
ans = 2×2  
    7    10  
   -1    -4
```

```
vec = 3:15
```

```
vec = 1×13  
    3     4     5     6     7     8     9    10    11    12    13    14    15
```

```
vec(8:12) = []
```

```
vec = 1×8  
      3      4      5      6      7      8      9     15
```

```
mat = [1:3;44 9 2; 5:-1:3]
```

```
mat = 3×3  
      1      2      3  
     44      9      2  
      5      4      3
```

```
mat(:,2) = []
```

```
mat = 3×2  
      1      3  
     44      2  
      5      3
```

```
vec = -5:1
```

```
vec = 1×7  
     -5     -4     -3     -2     -1      0      1
```

```
abs(vec)
```

```
ans = 1×7  
      5      4      3      2      1      0      1
```

```
mat = [-4 2 8;0 -10 -42;-9 15 0]
```

```
mat = 3×3  
     -4      2      8  
      0     -10    -42  
     -9     15      0
```

```
sign(mat)
```

```
ans = 3×3  
     -1      1      1  
      0     -1     -1  
     -1      1      0
```

```
str1 = "hello"
```

```
str1 =  
"hello"
```

```
str2 = "howdy"
```

```
str2 =  
"howdy"
```

```
str1 == str2
```

```
ans = logical  
      0
```