```
>> 2*3
>> k=3+4
% Нужно добавить переменную х
>> x = 123
>> (x+1)*(x-1)
    15128
>> a=5; b=3;c=6; h=(a+b)*c;
3+(b+7)
 Name Size Bytes Class Attributes
                         8 double
                         8 double
 Name Size Bytes Class Attributes
```

```
      ans
      1x1
      8 double

      b
      1x1
      8 double

      c
      1x1
      8 double

      h
      1x1
      8 double

      k
      1x1
      8 double
```

```
Name Size Bytes Class Attributes
                       8 double
                       8 double
                       8 double
 Name Size Bytes Class Attributes
                      8 double
                       8 double
>> C=[-1;2.1]
 -1.0000
>> A=[1 2 3 4;0 1 3 2]
```

```
77.491 8.4436 80.007
                        43.141
     86.869
              25.987
                        91.065
                                   14.554
>> R(2,3) = -R(2,3)
              8.4436
                        80.007
                                   18.185
                         -43.141
                                    26.38
     86.869
                        91.065
                                   14.554
     77.491
               8.4436
                         76.007
                                    18.185
                         -43.141
```

```
86.869 25.987 91.065 14.554
```

```
>> R = rand(3,4)

      0.7547
      0.6551
      0.4984
      0.5853

      0.2760
      0.1626
      0.9597
      0.2238

       0.7547 0.6551
>> R(2,3) = -R(2,3)

    0.7094
    0.6797
    0.1190
    0.3404

    0.7547
    0.6551
    -0.4984
    0.5853

       0.2760 0.1626 0.9597 0.2238
>> R(1,3) = R(1,3) - 4
       0.7547 0.6551 -0.4984 0.5853
>> R(:,2)=2*R(:,2)

      0.7094
      1.3594
      -3.8810
      0.3404

      0.7547
      1.3102
      -0.4984
      0.5853

      0.2760
      0.3252
      0.9597
      0.2238

>> R(1,:)=3*R(1,:)

      0.7547
      1.3102
      -0.4984
      0.5853

      0.2760
      0.3252
      0.9597
      0.2238

       0.7547
```

```
19
```

```
>> A = [
1 2 3
4 5 6
]

A =

1 2 3
4 5 6

>> B = [1 -2 1
-2 3 4]

B =
```

```
1 -2 1
-2 3 4
>> E = eye(3,3)
Error: Unexpected MATLAB operator.
>> A+E
Matrix dimensions must agree.
>> A-B
```

```
-1 0 1
2 3 4
>> A+c*D
>> A*B
??? Error using ==> mtimes
Inner matrix dimensions must agree.
```

```
ans =

1    4
2    5
3    6

>> (A')'

ans =

1    2    3
4    5    6
```

```
>> (1:2:5).^0.5

ans =

1.0000 1.7321 2.2361
```

```
>> A = -2:2:10

A =

-2  0  2  4  6  8  10

>> A.*3

ans =

-6  0  6  12  18  24  30

>> B = 45:-5:5

B =

45  40  35  30  25  20  15  10  5

>> size(B)

ans =

1  9
```

```
>> format short
>> pi
   3.1416
>> pi
  3.141592653589793
>> format shortE
 3.1416e+000
   3.141592653589793e+000
>> pi
    355/113
```

```
>> syms pi
>> cos((0:12)*pi/6)

ans =
[ 1, 3^(1/2)/2, 1/2, 0, -1/2, -3^(1/2)/2, -1, -3^(1/2)/2, -1/2, 0, 1/2, 3^(1/2)/2,
1]
>> sin((0:12)*pi/6)
ans =
[ 0, 1/2, 3^(1/2)/2, 1, 3^(1/2)/2, 1/2, 0, -1/2, -3^(1/2)/2, -1, -3^(1/2)/2, -1/2,
```