```
>> sin(pi)

ans =

   1.2246e-16

>> exp(1)

ans =

    2.7183

>> x = 7

x =

     7

>> f = (3*x) -5

f =

    16

>> %I don't like scriping i prefer complining
>> a = [1,2,3]

a =

     1     2     3

>> b = [2,1,4]

b =

     2     1     4

>> dot(a,b)

ans =

    16

>> cross(a,b)
```

```
ans =

     5     2    -3

>> size(a)

ans =

     1     3

>> sum(b)

ans =

     7

>> A = [4, 3, 5; 2, 1, 7; 8, 1, 3]

A =

     4     3     5
     2     1     7
     8     1     3

>> A*a
Error using  *
Incorrect dimensions for matrix multiplication. Check that the
number of columns in the first matrix matches the number of rows
in the second matrix. To operate on each element of the matrix
individually, use TIMES (.*) for elementwise multiplication.

Related documentation

>> A*'a
 A*'a
    ↑
Error: Character vector is not terminated properly.

>> A*a'

ans =

    25
    25
    19

>> x = A/b

x =
```

```
    1.4762
    1.5714
    1.3810

>> x = A/a

x =

    1.7857
    1.7857
    1.3571

>> x = linspace(-pi,pi)

x =

  Columns 1 through 6

   -3.1416   -3.0781   -3.0147   -2.9512   -2.8877   -2.8243

  Columns 7 through 12

   -2.7608   -2.6973   -2.6339   -2.5704   -2.5069   -2.4435

  Columns 13 through 18

   -2.3800   -2.3165   -2.2531   -2.1896   -2.1261   -2.0627

  Columns 19 through 24

   -1.9992   -1.9357   -1.8723   -1.8088   -1.7453   -1.6819

  Columns 25 through 30

   -1.6184   -1.5549   -1.4915   -1.4280   -1.3645   -1.3011

  Columns 31 through 36

   -1.2376   -1.1741   -1.1107   -1.0472   -0.9837   -0.9203

  Columns 37 through 42

   -0.8568   -0.7933   -0.7299   -0.6664   -0.6029   -0.5395

  Columns 43 through 48

   -0.4760   -0.4125   -0.3491   -0.2856   -0.2221   -0.1587
```

```
  Columns 49 through 54

   -0.0952   -0.0317    0.0317    0.0952    0.1587    0.2221

  Columns 55 through 60

    0.2856    0.3491    0.4125    0.4760    0.5395    0.6029

  Columns 61 through 66

    0.6664    0.7299    0.7933    0.8568    0.9203    0.9837

  Columns 67 through 72

    1.0472    1.1107    1.1741    1.2376    1.3011    1.3645

  Columns 73 through 78

    1.4280    1.4915    1.5549    1.6184    1.6819    1.7453

  Columns 79 through 84

    1.8088    1.8723    1.9357    1.9992    2.0627    2.1261

  Columns 85 through 90

    2.1896    2.2531    2.3165    2.3800    2.4435    2.5069

  Columns 91 through 96

    2.5704    2.6339    2.6973    2.7608    2.8243    2.8877

  Columns 97 through 100

    2.9512    3.0147    3.0781    3.1416

>> plot(x,x, '-',x,sin(x),'--',x,cos(x),':',x,tan(x),'-.')
>> ylim([-10,10])
>> f = fibonnaci(42)
Unrecognized function or variable 'fibonnaci'.

Did you mean:
>> f = fibonacci(42)
Execution of script fibonacci as a function is not supported:
C:\Users\nixzleon\Documents\MATLAB\fibonacci.m

>> fibonacci(42)
Execution of script fibonacci as a function is not supported:
C:\Users\nixzleon\Documents\MATLAB\fibonacci.m
```

```
>> f = fibonacci(42)

f =

  Columns 1 through 11

           1           1           2           3           5           8          13 ↙
21          34          55          89

  Columns 12 through 22

         144         233         377         610         987        1597        2584 ↙
4181        6765       10946       17711

  Columns 23 through 33

       28657       46368       75025      121393      196418      317811      514229 ↙
832040     1346269     2178309     3524578

  Columns 34 through 42

     5702887     9227465    14930352    24157817    39088169    63245986   102334155 ↙
165580141   267914296

>> f = fibonacci(42)

f =

   267914296

>> f = fibonacci(42);
>> f(42)

ans =

   267914296

>>
```