

```
>>> from numpy import *

>>> zeros((2,3))
array([[ 0.,  0.,  0.],
       [ 0.,  0.,  0.]])

>>> array(zeros((2,3)))
array([[ 0.,  0.,  0.],
       [ 0.,  0.,  0.]])

>>> matrix(zeros((2,3)))
matrix([[ 0.,  0.,  0.],
        [ 0.,  0.,  0.]])

>>> A=matrix(zeros((2,3)))
>>> A[1,2]=111

>>> A
matrix([[ 0.,  0.,  0.],
        [ 0.,  0., 111.]])

>>> B=matrix([[2,3],[-1,2]])

>>> B
matrix([[ 2,  3],
        [-1,  2]])

>>> B.I
matrix([[ 0.28571429, -0.42857143],
        [ 0.14285714,  0.28571429]])

>>> B*B.I
matrix([[ 1.,  0.],
        [ 0.,  1.]])
```