Command Window

```
>> a=[-3,9,5;-4,0,1;6,3,0]

a =

    -3     9     5
    -4     0     1
     6     3     0

>>
>> a'

ans =

    -3    -4     6
     9     0     3
     5     1     0

>>
>> rref(a)

ans =

     1     0     0
     0     1     0
     0     0     1

>>
>> rank(a)

ans =

     3

>>
>> det(a)

ans =

    3.0000
```

```
>>
>> inv(a)

ans =

   -1.0000    5.0000    3.0000
    2.0000  -10.0000   -5.6667
   -4.0000   21.0000   12.0000

>>
>> adj=inv(a)*det(a)

adj =

   -3.0000   15.0000    9.0000
    6.0000  -30.0000  -17.0000
  -12.0000   63.0000   36.0000
```

```
>> cofactor=transpose(inv(a)*det(a))

cofactor =

   -3.0000    6.0000  -12.0000
   15.0000  -30.0000   63.0000
    9.0000  -17.0000   36.0000

>>
>> null(a)

ans =

  3×0 empty double matrix
```