

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

```
a =
```

```
    -3     9     5  
    -4     0     1  
     6     3     0
```

```
>> Finding Transpose Of A Matrix:
```

```
>> a'
```

```
ans =
```

```
    -3    -4     6  
     9     0     3  
     5     1     0
```

```
>> Finding Echalon Form Of A Matrix:
```

```
>> rref(a)
```

```
ans =
```

```
     1     0     0  
     0     1     0  
     0     0     1
```

```
>> Finding Rank Of A Matrix:
```

```
>> rank(a)
```

```
ans =
```

```
     3
```

```
>> Finding Determiant Of A Matrix:
```

```
>> det(a)
```

```
ans =
```

```
    3.0000
```

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```
>> Finding Rank Of A Matrix:
```

```
>> inv(a)
```

```
ans =
```

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

```
>> Finding Adjoint Of A Matrix:
```

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

```
adj =
```

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

Finding Cofactor of A Matrix:

```
>> 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
```

>> Finding Nullity Of A Matrix:

```
>> null(a)
```

```
ans =
```

```
3×0 empty double matrix
```