

1) Commandwindow

```
Clear  
clc
```

2) commandwindow

```
clear  
clc  
A=[2 3 7 9 4;3 7 9 12 5;4 8 5 6 9;5 9 2 4 5;6 2 3 7 8]  
E=det(A)  
B=transpose(A)  
W=inv(A)  
P=rats(W)
```

A =

2	3	7	9	4
3	7	9	12	5
4	8	5	6	9
5	9	2	4	5
6	2	3	7	8

E =

-765.0000

B =

2	3	4	5	6
3	7	8	9	2
7	9	5	2	3
9	12	6	4	7
4	5	9	5	8

W =

1.8915	-1.4026	-0.3124	0.7843	-0.2078
-0.4379	0.3268	0.0523	-0.0392	-0.0196
2.5725	-1.8392	-0.0863	0.7647	-0.5176
-1.8876	1.4654	0.0105	-0.6078	0.3961
-0.6222	0.3778	0.2444	-0.3333	0.1333

P =

401/212	-108/77	-239/765	40/51	-53/255
-67/153	50/153	8/153	-2/51	-1/51
656/255	-469/255	-22/255	13/17	-44/85
-319/169	148/101	3/287	-31/51	101/255
-28/45	17/45	11/45	-1/3	2/15

```
>>
3) commandwindow
clear
clc
Y=[0 10 4 2;-3 -17 1 2;1 1 1 0;8 -34 16 -10]
R=[-4;2;6;4]
Q=inv(Y)*R
```

Y =

```
    0    10     4     2
   -3   -17     1     2
    1     1     1     0
    8   -34    16   -10
```

R =

```
   -4
    2
    6
    4
```

Q =

```
    9
   -1
   -2
    7
```

```
>>
```