

INPUT IN THE EDITOR

QUESTION 1

```
commandwindow
clc
clear
```

QUESTION 2

```
commandwindow
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]
Emmanuel= det(A)
Emmanuel= A'
Emmanuel= A^-1
format rat
Emmanuel= A^-1
```

QUESTION 3

```
commandwindow
A= [0 10 4 -2; -3 -17 1 2; 1 1 1 0; 8 -34 16 -10]
B= inv(A)
C= [-4; 2; 6; 4]
D= B*C
```

OUTPUT IN THE COMMAND WINDOW

QUESTION 1

QUESTION 2

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

Emmanuel =

-765.0000

Emmanuel =

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

Emmanuel =

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

Emmanuel =

1447/765	-1073/765	-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
-1444/765	1121/765	8/765	-31/51	101/255
-28/45	17/45	11/45	-1/3	2/15

>>

QUESTION 3

A =

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

B =

-0.1786	-0.1020	0.5714	0.0153
0.0357	-0.0153	0.0357	-0.0102
0.1429	0.1173	0.3929	-0.0051
-0.0357	0.1582	0.9643	-0.0612

C =

-4
2
6
4

D =

4.0000
-0.0000
2.0000
6.0000

>>