

Question 1

```
commandwindow
clear
clc
```

Question 2 (mFile)

```
commandwindow
clear
clc
format BANK
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]
B=det(A)
C=A'
D=A^-1
format rat
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]
B=det(A)
C=A'
D=A^-1
```

Answer 2 (command window)

A =

Columns 1 through 4

2.00	3.00	7.00	9.00
3.00	7.00	9.00	12.00
4.00	8.00	5.00	6.00
5.00	9.00	2.00	4.00
6.00	2.00	3.00	7.00

Column 5

4.00

5.00

9.00

5.00

8.00

B =

-765.00

C =

Columns 1 through 4

2.00	3.00	4.00	5.00
------	------	------	------

3.00	7.00	8.00	9.00
------	------	------	------

7.00	9.00	5.00	2.00
------	------	------	------

9.00	12.00	6.00	4.00
------	-------	------	------

4.00	5.00	9.00	5.00
------	------	------	------

Column 5

6.00

2.00

3.00

7.00

8.00

D =

Columns 1 through 4

1.89	-1.40	-0.31	0.78
-0.44	0.33	0.05	-0.04
2.57	-1.84	-0.09	0.76
-1.89	1.47	0.01	-0.61
-0.62	0.38	0.24	-0.33

Column 5

-0.21

-0.02

-0.52

0.40

0.13

A =

Columns 1 through 3

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

Columns 4 through 5

9	4
12	5
6	9
4	5
7	8

B =

-765

C =

Columns 1 through 3

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

Columns 4 through 5

5	6
9	2
2	3
4	7
5	8

D =

Columns 1 through 3

$1447/765$	$-1073/765$	$-239/765$
$-67/153$	$50/153$	$8/153$

656/255 -469/255 -22/255
-1444/765 1121/765 8/765
-28/45 17/45 11/45

Columns 4 through 5

40/51 -53/255
-2/51 -1/51
13/17 -44/85
-31/51 101/255
-1/3 2/15

>> Question 3 (mFile)

```
commandwindow  
clear  
clc  
L=[0 10 4 -2;-3 -17 1 0;1 1 1 0;8 -34 16 -10]  
N=[-4;0;6;4]  
O=L^-1  
M=O*N
```

Answer 3 (command window)

L =

Columns 1 through 3

0 10 4
-3 -17 1

1	1	1
8	-34	16

Column 4

-2

0

0

-10

N =

-4

0

6

4

O =

Columns 1 through 3

-45/268	-10/67	19/67
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5/134	-3/134	-1/134
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35/268 23/134 97/134

-7/134 31/134 189/134

Column 4

9/268

-1/134

-7/268

-6/67

M =

168/67

-15/67

249/67

557/67

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