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COURSE: ENG281

MATRIC NO.: 16/ENG06/021

```
commandwindow
clear
clc
a=[1,-2,-1,3;2,3,0,1;1,-4,-2;0,-1,3,1]
b=[10;8;3;7]
x=inv(a)*b
```

Error using Untitled4 (line 4)

Dimensions of matrices being concatenated are not consistent.

>>

```
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]
D=det(A)
G=A'
P=inv(A)
```

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

D =

- 765.0000

G =

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

P =

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

```
commandwindow
clear
clc
a=[3,2,5;7,9,2;1,8,4]
b=[2,3,0;1,8,5;4,7,6]
```

```
c=a+b  
d=a-b  
m=a*b  
h=7*a  
em=a.*b
```

```
>>a =
```

```
3    2    5  
7    9    2  
1    8    4
```

```
b =
```

```
2    3    0  
1    8    5  
4    7    6
```

```
c =
```

```
5    5    5  
8   17    7
```

5 15 10

d =

1 -1 5

6 1 -3

-3 1 -2

m =

28 60 40

31 107 57

26 95 64

h =

21 14 35

49 63 14

7 56 28

em =

6	6	0
7	72	10
4	56	24

>>