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**COURSE:** ENG 281

**DEPT:** ELECTRICAL & ELECTRONICS

**MATRIC NO:** 16/ENG04/035

```
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]
```

```
K= det(A)
```

```
B= transpose(A)
```

```
C= inv(A)
```

```
A= [0 10 4 -2; -3 -17 1 2; 1 1 1 0; 8 -34 16 -10]
```

```
b= [-4; 2; 6; 4]
```

```
X= inv(A)*b
```

```
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
```

```
K =
```

```
-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

C =

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

A =

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

b =

-4  
2  
6  
4

X =

4.0000

-0.0000

2.0000

6.0000