

**AKPAN NSIKAN PAUL**  
**MECHATRONICS ENGINEERING**  
**16/ENG05/009**  
**200L**

**Q1**

commandwindow

clear

clc

**Q2**

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];

sfs = det(A)

sjs = A'

s = inv(A)

format **rat**

I

MATLAB R2017a

HOME PLOTS APPS

Find Files Import Data Save Workspace New Variable Open Variable Analyze Code Run and Time Simulink Layout Preferences Set Path Add-Ons Help Community Request Support Learn MATLAB

Workspace Command Window

Editor - paul.m

```
sfs =  
-765.0000  
  
asa =  
  
    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  
  
S =  
  
    0.1545    0.1416   -0.1000   -0.0026  
    0.0182    0.0377   -0.1000    0.0039  
    0.1545    0.4987   -0.6000    0.0688  
    0.3091    0.7831   -0.7000   -0.0052  
  
B =  
  
    -4  
     2  
     6
```

Activate Windows  
Go to PC settings to activate Windows.

**Q3**

commandwindow

clear

clc

A = [0,10,4,-2;

-3,-17,1,2;

1,1,1,0;

```
8,-34,16,-10];  
B = [-4;2;6;4];  
S = inv(A);  
DD = C * B
```

