

NAME : ADEYINKA SHERIFF GBOLAHAN
DEPT : CIVIL ENGINEERING
MATRIC NO : 16/ENG03/004

1.

```
commandwindow  
  
clear  
  
clc  
  
close all
```

2.

```
commandwindow  
  
clear  
  
clc  
  
close all  
  
G = [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];  
  
ANIMAL = det(G);  
  
CAT = transpose(G);  
  
DOG = G^(-1);  
  
EGG = rat(DOG);
```

3.

```
commandwindow  
  
clear  
  
clc  
  
close all  
  
L = [0 10 4 -2; -3 -17 1 2; 1 1 1 0; 8 -34 16 -10];  
  
M = det(L);  
  
N = transpose(L);  
  
O = L^(-1);  
  
R = [-4 2 6 4];  
  
S = R*O;
```

