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COURSE: ENG281

MATRIC NO: 16/ENG06/001

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

>>