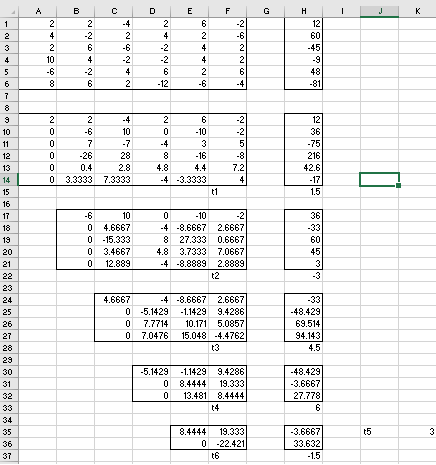
Name: Olagunju Joseph Olusegun Matric No: 17/ENG05/031

Department: Mechatronics Engineering

Engineering Maths Assignment 3

1. For Gauss elimination



1. A= 2 2 -4 2 6 -2

4 -2 2 4 2 -6

2 6 -6 -2 4 2

10 4 -2 -2 4 2

-6 -2 4 6 2 6

8 6 2 -12 -6 -4

B= 12

60

-45

-9

48

-81

A.T=B

T=BA-1

T= 1.5

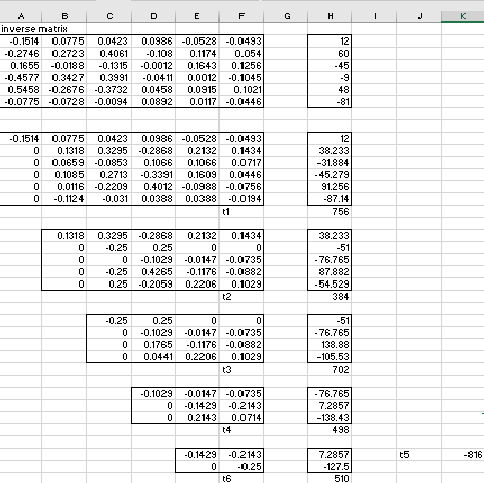
-3

4.5

6

3

-1.5

1. 
2. A= 2 2 -4 2 6 -2

4 -2 2 4 2 -6

2 6 -6 -2 4 2

10 4 -2 -2 4 2

-6 -2 4 6 2 6

8 6 2 -12 -6 -4

B= 12

60

-45

-9

48

-81

A-1= -0.151 0.077 0.042 0.099 -0.053 -0.049

-0.275 0.272 0.406 -0.108 0.117 0.054

0.165 -0.019 -0.131 -1.174x10-3 0.164 0.126

-0.458 0.343 0.399 -0.041 1.174x10-3 -0.104

0.546 -0.268 -0.373 0.046 0.092 0.102

-0.077 -0.073 -9.39x10-3 0.089 0.012 -0.045

A-1.T=B

T=(A-1)-1.B

T= 756

384

702

498

-816

510