Cole Matthews

AE 227 – Engineering Digital Computation

4/2/2023

**Program 1:**

Output to the command window:

>> mypnorm([3 2.4 -1.6 -4.3 -1.1 -7.1 4],1)

ans =

23.5000

>> mypnorm([3 2.4 -1.6 -4.3 -1.1 -7.1 4],2)

ans =

51.7150

>> mypnorm([3 2.4 -1.6 -4.3 -1.1 -7.1 4],3.3)

ans =

280.6537

>> mypnorm([3 2.4 -1.6 -4.3 -1.1 -7.1 4],inf)

ans =

7.1000

>>

**Problem 2:**

Diagram

Description automatically generated

**Problem 3:**

A piece of paper with writing

Description automatically generated with medium confidence

Diagram

Description automatically generated

Output to the command window:

>> eig([1 1 -1;-2 4 8;2 -2 -6])

ans =

-3.0000

-0.0000

2.0000

>>

**Program 4:**

Chart, scatter chart

Description automatically generated