



GEN 500
Engineering System Analysis
Fall 2020

Quiz #3

Name _____ Banner ID _____

Date _____

Please show all your work to receive full credits.

Problem #1

What is the output when the following commands are implemented?

$A = [1:3; 2:2; 6; 3; -1:1]$

$A = A'$

Problem #2

You want to write MATLAB equations to compute a vector of y values using $y = \frac{6t-4}{8t} - \frac{\pi}{2}t$

where t is a vector. Make sure that you use periods only where necessary so the equation handles vector operations properly. Extra periods will be considered incorrect.

Problem #3

The following matrix is entered in MATLAB:

```
>> A = [3 2 1; 0 : 0.5 : 1; linspace(6, 8, 3)]
```

(a) Write out the resulting matrix.

(b) Use colon notation to write a single-line MATLAB command to multiply the second row by the third column and assign the result to the variable c .