

Name: _____

EE322 Fall 2008 Quiz 02

1. Suppose you run each of the following lines of code from the command line in MATLAB. What would be displayed in the command window? (note: after each problem, I've started your answers)

a. >> A=[1 2 3; 4 5 6; 7 8 9]

A =

b. >> X = [1 3]; , X = X.^2

X =

c. >> W=[1 2 5]; , Z = [0 4 5]; , W.*Z

W.*Z =

d. >> s = floor(0.25)

s =

e. >> h=4; , b=[2 4 6]; , area = 1/2 * b * h

area =

f. C = [0 2 3; 3 2 1; 2 2 2; 6 7 8]; , [row,col]=find(C == 8)

row =

col =

g. `P = [4; 7];, P'`

`P' =`

h. `D = [1,2,3;2,0,2;6,7,8];, [row,col]=find(D==min(min(D)))`

`row =`

`col =`

2. Which of the following commands either causes errors in MATLAB or is bad coding practice, and why? If the command will not cause a problem, say so.

a. `>> mean = 6;`

b. `>> A = [1 2];, B = [2 3 4];, A .* B`

c. `>> 7ralph = 2*exp(-1);`

d. `>> M=2*sin(100);`

Bonus: Whose assassination in 1914 sparked the beginning of World War I?