Quiz 2

CS151 – Summer 2017

Due: Monday, 6/19/2017, 11 AM

Your Name: _____ **Grade: ____ /9 pts**

Directions: Circle all answers that apply.

1. You are given distance values, dist = [10,12,8,6,15,11,12] km and corresponding time values, time = [20,25,32,45,59,75,80] sec. What code finds the time when the minimum distance occurs?
   a. [m,loc]=min(dist); md=time(m)
   b. loc=min(dist); md=time(loc)
   c. [a,b]=min(time); md=time(b)
   d. loc=min(dist); md=d(loc)
   e. [a,b]=min(dist); md=time(b)
2. Using the proper Matlab syntax, how would you find the inverse sine of $\frac{16}{33}$ in degrees?
   a. asin((16/33))
   b. asind(16/33*180/pi)
   c. asind(16/33)
   d. asin(16/33)*180/pi
   e. asind(16/33)*pi/180
   f. arcsind(16/33)
3. If you have a matrix, x = [4 5; 6 8; 9 4] and execute [col, row] = size(x) and len=length(x), the result will be:
   a. row = 3, col = 2, len = 3
   b. row = 2, col = 3, len = 3
   c. row = 2, col = 3, len = 2
   d. row = 3, col = 2, len = 2
4. To get a 3 column, 5 row matrix of random numbers between -20 and 25, you would use the command:
   a. y = 45-20*rand(3,5)
   b. y = -20+45*rand(3,5)
   c. y = 45*rand(5,3)-20
   d. y = (-20+45)*rand(5,3)
5. If you had a row vector V=[3,6,7,9,-9,3,9]; what would the command, max(V), return?
   a. max = 9
   b. max = 9 9
   c. ans = 9 9
   d. ans = 9

For the next 2 problems: A = [12,17,-3,6], B = [-5,8,3; -1,2,3; 2,4,-6], C = [22; 17; 4]

6. How would you assign the entire third column of matrix B to X1?
   a. X1 = B(1-3,3)
   b. X1 = B(:,3)
   c. X1 = B(3,3)
   d. X1 = B([1,3],3)
7. How would you assign the second and third rows and second and third columns of B to X2 (creating the matrix [2 3; 4 -6])?
   a. X2 = B(2:3,2:end)
   b. X2 = B(2-end,2-end)
   c. X2 = B([2:3],[2:3])
   d. X2 = B((2,3),(2,3))
   e. X2 = B(2:3,5:6,8:9)