1. Construct following matrix A、B and C .

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Use MATLAB to find the following:

a. Construct a matrix **D**, it is the **transpose of C**.

b. Construct a matrix **E,** deleting **2nd and 4th row of A.**

c. Construct a matrix **F,** add a column with **values 1** to the **3rd row of B**.

d. Construct a variable **G,** calculate the **sum of all the elements** **of C** and putit into **G**

e. Construct a matrix **H,** the function ofif it cancalculate put it into **H** or write **false**.

2.(function handle)

(a)Find the minimum value for the function ，for the interval of , with step 0.1. ( The answer is the coordinate form and 4 decimal places)

(b)Use ‘fplot’ to plot this function for the interval of . (Notes that: you must create a function handle for function and pass it to the command ‘fplot’)

3.

(a) Use **input** to enter the student number, student's name, math score, English score

and scientific score. Then build up a structure array to store these data.

(b) Extract the data by using ‘deal’ command, and calculate the average and best score for each student (using for-loop). Then, you can print out the results with **fprintf.**.

(c) To add two new fields to your structure array, with field name ‘avg’. And ‘max’. And, you can put the calculated results of (b) to these fields.

Example:



