

1. Which of the following are legitimate variables in MATLAB?

(1)3vars (2)My_var (3)X+Y

(4)XY (5)_input (6)123

(7)a_b c

2. Create a 3-by-5 random matrix A whose entries are uniformly distributed random integers from 0 through 9.

3. Show the commands that returns the following:

(1)the first, second, and third columns

(2)the third, fourth, and fifth columns

(3)the first-, third-, and fifth-column entries of the first and third rows

4. Find the maximum entries for each column (row) of matrix A.

5. Find the rank of matrix A and reduce A to its echelon form.