Please email your function files to me at stephen_pennell@uml.edu
These problems are mostly taken from Attaway's MATLAB: A Practical Introduction to Programming and Problem Solving.

1. Write a function file that generates two random integers between 10 and 30 and returns a character string consisting of the two integers joined together. For example, if the integers are 11 and 29 the output should be the string ' 1129 ' There is no input to the function. Hint: The command randi $([\mathrm{m}, \mathrm{n}], 1, \mathrm{k})$ generates a $1 \times k$ array of integers uniformly distributed between $m$ and $n$.
2. Write a function file that takes as input a character string consisting of integers and the character x, deletes the x's, and produces as output a character string consisting only of the integers. For example, if the input string is ' $1 \times 23 \times 456 \times 7$ ' the output string should be ' 1234567 ' Hint: Use strfind to locate the x's and then delete those entries from the string.
3. Write a function file that takes as input a word in the form of a character string, scrambles the letters, and returns the scrambled word as output. For example, if the input is 'MATLAB' the output might be 'LAMBAT' Hint: You might find the randperm command helpful. randperm ( $n$ ) returns a random permutation of the integers 1 through $n$.
