

ENGR 104 Quiz 3 examples

1. Vector A=[32 -45 99 -77 99]. Hand-write the Matlab code to complete the following tasks.

- a. Use Matlab to return the average of the numbers in A to A1.
- b. Use Matlab to calculate how many numbers in A are larger than A1?
- c. Use Matlab to kick out all the '99' in A and return the vector without '99' to A2.
- d. Use Matlab, and the 'fprintf()' function to report how many negative numbers are in vector A? Use the logical functions and index techniques to inverse the negative numbers to positives.
- e. Generate two random numbers: 'B=randi([-5,5]), C=randi([-5,5])'. Use the 'IF' statement and the 'fprintf' function to report the following statements:

If B is the largest number, report:
'B wins the game'.

If C is the largest number, report:
'C wins the game'.

If B=C, then report:
'The game is tied'.