QUESTION 1   25 minutes   20 points

1) Let X_1, …, X_9 be the digits of your student number. Please write down:

X_1	X_2	X_3	X_4	X_5	X_6	X_7	X_8	X_9

Let X be the distribution of the digits in your student number.

a) Find and plot the probability mass function of X.
b) Find and plot the cumulative distribution function of X.
c) Find E[X], Var[X].