Name: _____ July 18, 2017

FINITE MATH: QUIZ 7

ADRIAN PĂCURAR

- The Honor Code is in effect for this quiz. All work must be your own.
- Please turn off all cellphones or any other electronic devices.
- Calculators are allowed. Give your answers to 1-3 decimal places.
- There are 11 points available to try for. It is NOT possible to get more than 10 points on this quiz.
- The quiz lasts 12 minutes.

Useful Formulas

- $\mu = \dfrac{x_1 + x_2 + \cdots + x_n}{n}$

Problem 1. The following is a list of 10 randomly generated integers between 10 and 99.

$$12 \quad 92 \quad 67 \quad 57 \quad 66 \quad 19 \quad 61 \quad 85 \quad 72 \quad 90$$

a) (4pt) Construct a frequency table using the following bins: $[10-40], [40-70], [70-100]$. Compute both the **frequency and relative frequency** for each category.

b) (3pt) Compute the mean, median, and mode for this data set.

Problem 2. (2pt) A survey asks students in a dorm how many siblings (not including themselves) they have. The frequency table below summarizes the results. What is the average number of siblings for this population?

# Siblings	Freq
0	4
1	2
2	5
3	2
4	1

Problem 3. (2pt) A student's grade in a course depends on 3 equally weighted exams, each out of 100 points. His first 2 exam scores are 89 and 78. What is the maximum grade (# of points out of 100) he can get in the course?