

Instructions: Show all work to receive full credit. You should note any formulas used or calculator functions used, their inputs and outputs. I cannot grade work if I don't know where an answer came from. Be sure complete all parts of each questions, including requests for interpretation and explanations. Be as thorough as possible.

1. The Greek letters **alpha, mu and sigma** (lower case) will be used throughout this course. Draw them below.

α μ σ

2. Classify each of the following variables as a) qualitative or quantitative; b) it's level of measurement: nominal, ordinal, interval, ratio; c) if the variable is quantitative, is it discrete or continuous.

- i. Number of credit cards you own

quantitative, discrete, ratio

- ii. Highest degree earned

qualitative, nominal

- iii. Letter grades

qualitative, ordinal

- iv. GPA

quantitative, continuous, interval or ordinal