MTH 324, Quiz #1, Fall 2023 Name _____

Instructions: Answer each question as thoroughly as possible. Round answers to 4 decimal places as needed. Exact answers are best when possible. Be sure to answer all parts of each question.

1. Explain the difference between descriptive statistics and inferential statistics.

2. Describe the procedures for creating a stratified sample. Given an example of a situation in which it would be used.

3. For each of the following variables, identify whether the variable is i) categorical or numerical, ii) it's level of measurement (nominal, ordinal, interval or ratio), and if it is numerical iii) whether it is discrete or continuous (write NA if it does not apply).
   a. Credit card number (on the card)

   b. Religious affiliation

   c. Pain level

   d. Decibels of a sound

   e. Commute time in minutes

4. Why are some studies conducted double blind?