

# Math 147B - Elementary Statistics

## Fall 2022 Exam 03 Version A

NAME: \_\_\_\_\_

Section: \_\_\_\_\_

Signature: \_\_\_\_\_

This Exam is worth a total of 150 points.

### Instructions

- Turn off all electronic devices including, but not limited to, cell phones, tablet, laptops, ...
- The only exception to the above rule is that you may use a scientific or basic calculator. Cell phone calculators, and laptops are not allowed.
- **Enter your name and section number NOW!**
- In order to get full credit, you must show all your work, clearly and in order. Points will be taken off if we cannot see how you arrived at your answer (even if your final answer is correct).
- Use the empty back pages for scratch and **if you run out of space** for the solutions. Unless you explicitly write a remark such as "**continued on the back**" the TAs will assume that a back page only contains scratch work and not grade what you wrote there!
- We use "SD" as abbreviation for "standard deviation" and in formulas you may see either of "SD" or "s" (e.g., either of  $SD_x$  or  $s_x$  denotes the SD of the  $x$ -variable). If the symbol " $r$ " is used without further explanation then it denotes the correlation coefficient.
- This test has 9 problems on pages 2–6 and is worth 150 points. It is your responsibility to make sure that you have all of the pages!
- Do NOT return your index card and the tables printout with your exam.
- Good Luck!

**DO NOT TURN THIS PAGE UNTIL TOLD TO DO SO.**