MTH 324, Quiz #9, Fall 2022   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. Do people work longer with breakfast than without? Use the data in the table and conduct a permutation test of the paired data to see if the means are different.

Work hours with breakfast	Work hours without breakfast
8	6
7	5
9	5
5	4
9	7
8	7
10	7
7	5
6	6
9	5

2. Use bootstrapping to construct a 95% confidence interval of the data above. Compare the result to using a t-interval of the mean differences.