Algorithms Project 1: TSP Grading Checklist

Name_____

1. [__ /15] Explain the details of:
☐ N-N Implementation
☐ Exhaustive Search Implementation
☐ Discuss how you efficiently implemented the pseudo-code.

2. [__ /15] Determine the worst-case complexity
Expanded Notation:
N-N _____
E-S _____
and/or
Asymptotic Notation:
N-N _____
E-S _____

3. [__ /20] Input generation/experimental testing
☐ Used n large enough (10 x resolution of clock)
☐ Appropriate n for each algorithm (i.e., not too small for NN and not too large for exhaustive)
☐ Generated input randomly.
☐ Average of three runs on each input

4. [__ /10] Match Theory to practice (one of the following required)
☐ Determined a constant to compare results
☐ Listed $n^2, n!$ for comparison next to results
☐ Graphed actual and asymptotic run times
☐ (-) Anecdotal, i.e., "looked about right" (unscientific, not ideal)

5. [__ /40] Demo
☐ Runs correctly
☐ Understood implementation

Notes: