CSCE 156 – Lab: Linked Lists

Worksheet

Name _____

Note: as you write these test cases, you can place them all in the Driver class and clear out the list between each one.

1. Implement all the methods of the `TruckList` class as specified. Demonstrate your working code by creating a list in the Driver class, adding 10 random trucks, and print it out.

2. Write test cases to test the insertion of trucks.
     a. Write a test case to successively add 3 trucks to the start of the list
     b. Write a test case to successively add 3 trucks to the end of the list
     c. Write a test case to add 6 trucks, alternately to the start, then to the end of the list

3. Write test cases to test the removal of trucks.
     a. Write a test case to add 3 trucks to the list and remove the first one
     b. Write a test case to add 3 trucks to the list and remove the last one
     c. Write a test case to add five trucks to the list and remove, in sequence the middle truck, the last truck, the first truck, the last truck, the first truck.

4. Identify at least 3 "corner cases" that should be tested and write test cases for them. Describe your test cases and the results below:

Demonstrate your working code and your test cases to a lab instructor and have them sign:

Lab Instructor Signature_____