1. Measure the open-circuit voltage of the battery = \_\_\_\_\_\_\_\_\_\_\_ volts (red lead of the voltmeter to positive [+] and black lead to negative [-]). (If more than 12.6 V, remove the surface charge by turning on the headlights for 1 minute).

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

Meets ASE Task: A6 – B-5 – P-1

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Battery Charging**

2. Percentage of charge = \_\_\_\_\_\_\_\_\_\_\_\_\_%.

12.6 V or higher = 100% charged

12.4 V = 75% charged

12.2 V = 50% charged

12.0 V = 25% charged

below 11.9 V = discharged

3. Determine the cold cranking amperes (CCA) of the battery = \_\_\_\_\_\_\_\_\_\_.

(The charge rate should be 1% of the CCA. For example, a battery with a 500 CCA rating should be charged at 5 ampere rate.)

4. Determine the reserve capacity in minutes = \_\_\_\_\_\_\_\_\_.

(The charge rate can be determined by dividing the reserve capacity of the battery in minutes by 30.)

5. The battery should be charged at \_\_\_\_\_ amperes (CCA method) or at \_\_\_\_\_ amperes (reserve capacity method).

