

# Hickam Proof 4

## 5 point assignment – Due Friday

Name \_\_\_\_\_

### **True Story**

Ten summers ago, I took my family on their first cross-country adventure from Pulaski all the way to California and back. We drove a total of a little over 7000 miles in a 12 day period. If you ever get the chance to drive across the USA, do it, for there is nothing like it. We actually did it again just 3 summers ago, and Liam and I did it two summers ago. I love it so much, I would do it every summer if I could afford it. From this strong desire to see the West as much as I can, comes your next proof.

Assume that my Honda Accord will get an average of 28 miles to the gallon for my next Cross Country trip, and that the trip will be 7000 miles. For wear and tear (tires, oil, belts, etc.) on my car we will assume about 54 cents per mile (they vary greatly on who you ask). Bet you kids never thought about the wear and tear on a car, did you! Assume that for this trip the average price of gas will be \$3.50 per gallon.

Another option besides taking my own car would be to rent a car, which will help me avoid the wear and tear on my car. To rent a car similar to my Honda, it will cost me \$774.07 for 12 days and that includes unlimited miles on the car. However, the car will only get an average of 23 miles to the gallon instead of the 28 miles to the gallon my Honda Accord gets. Assuming that the trip will last 12 days like my first trip out West, would it be cheaper to take my Honda Accord or rent a car? **Remember to explain your reasoning and back it up with numbers.**