

Name: _____

Date: _____

Renting a Vehicle HW

1) Marco Hamner rented a sedan for four days at \$35 per day plus \$0.225 per mile. He drove it 379 miles and spent \$16.85 on gas. Find the cost per mile to rent the vehicle.

2) Diane Warner can rent a minivan for \$24.95 per day plus \$0.15 per mile, or she can rent a large van for \$289 per week with no additional charge for mileage. If she plans on renting the van for 7 days and driving a total of 1,200 miles, which vehicle is a better buy?

3) Brad Huxter rents a luxury coupe while on vacation. The vehicle rents for \$29.95 per day. Mileage is charged at a rate of \$0.25 per mile with the first 500 miles free. He rents the vehicle for 10 days, drives it 865 miles, and spends \$62 on gasoline. What is the cost per mile of renting the vehicle?

4) Shandra Vance and her roommate decide to go on a road trip and share the cost of renting a sports car. They rent the vehicle for 5 days at \$41.95 per day plus \$0.28 per mile. They also purchased collision insurance for an additional cost of \$8 per day. If gasoline costs them a total of \$77.75 and they drive 950 miles, how much will it cost each of them to rent the sports car?

5) Find a) the total cost and b) the cost per mile for each rental car below.

Rental Cost	Gasoline Cost	Total Cost	Miles Driven	Cost per Mile
\$ 72.00	\$12.17	a.	175	b.
117.00	29.88	a.	289	b.
159.80	34.59	a.	392	b.
85.90	36.26	a.	408	b.