NAME_

DATE_____

PER.

RELATIONS AND FUNCTIONS – DAY 1

Make a table and a mapping for the relation shown. State the domain and range. Determine whether or not the relation is a function.



Make a table for the given relation. State the domain and range. Determine if the relation is a function.



Answer each of the following.

13. Jane and Terry went to Long Island for a week. They needed to rent a car, so they checked out two rental firms. Avis wanted \$28 per day with no mileage fee. Hertz wanted \$108 per week and \$0.14 per mile. How many miles would they have to drive before the Avis price is the same as the Hertz's price?
14. Roger is buying a car costing \$16,500. He can put \$3000 down and pay \$500 per month. How many months will it take for Roger to pay for the car?
many months with take for Roger to pay for the car:
15. Mr. Roberts needs to rent a car for a vacation. His vacation budget allows him to spend \$250 for a car rental. If Avis Car Rental Co. charges \$142 plus \$0.18 per mile, how many miles can Mr. Roberts drive while on vacation?
A. 108 miles
B. 2177.778 miles
C. 600 miles
D. 19.4 miles