Mathematics 122

Quiz #20   Name:

The speed of a car is increases steadily for an hour. The speed of the car is measured every fifteen minutes and in the following table.

Time in minutes	0	15	30	45	60
Velicity in mph	20	25	30	35	40

(Note that the speed is in miles per hour and that the time is given in minutes. So you should changes the minutes to hours. That is 15 minutes = .25 hours etc.)

(1) Give a lower bound for the distance the car has traveled in the hour.

Lower bound =

(2) Give an upper bound for the distance the car has travel in the hour.

Upper bound =

(3) What is the best guess for the distance covered by the car in the hour?

Best guess =