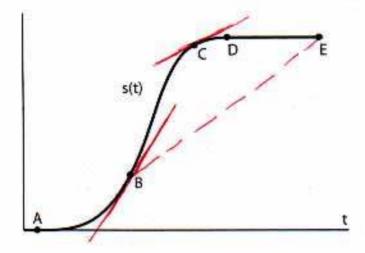
9. (9 points) The following graph shows the distance s(t) travelled along a highway by a car driving away from a city. From the shape of the graph, explain answers to the questions.



(a) Was the car going faster at the time corresponding to point B or the time corresponding to It car was sping paster at the time point C? Explain. corragonding to gaint & because the slage of the ton to the curve is more gostone at goint & then at gaint before gives the slage gives to (b) Was the average velocity of the car for the time between points B and E greater than or less than the car's instantaneous velocity at the time corresponding to the point B? Explain. The overage rate of change (or overage rebuits) (c) What was the car doing during the times corresponding to points between D and E? Explain. Letween Quits DVE on the graph, the function is constant and the steps of the curre between those points is zero. Thus He times corresponding to the guit.