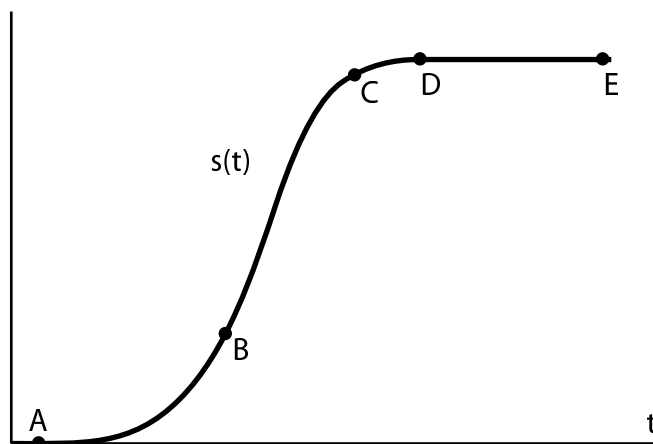


9. (9 points) The following graph shows the distance  $s(t)$  travelled along a highway by a car driving away from a city. From the shape of the graph, explain answers to the questions.



(a) Was the car going faster at the time corresponding to point  $B$  or the time corresponding to point  $C$ ? Explain.

(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.

(c) What was the car doing during the times corresponding to points between  $D$  and  $E$ ? Explain.