R D O F S T U D I a) 1) Ž V () i) m= 5= 10 V,=10t 40 V2212 seconds 12750 V, zlot after the seconds ίO gave at the same spot 02WB4

BOARD OF STUDIES  $\tilde{j}_{1} V_{2} = 2t^{2}$ x= 52t2.dt  $X_2 = 2t^3$ 3 after 5 seconds xz= 83.3 V1-- 10t x,= Slot. dt  $\frac{\chi_{12} \cdot 10t^{2}}{2}$ X,=5+2 offer 3 seconds X,= 125 : the jet is behind the car by 412/3 m (1))  $\chi = 5t^2$ xz= 2t<sup>3</sup> 3  $5t^2 = 2t^3$  $15t^2 = 7t^3$  $15t = 2t^{2}$ 

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in(x) ont.) 15 = 2t	
t=7.5 seconds	