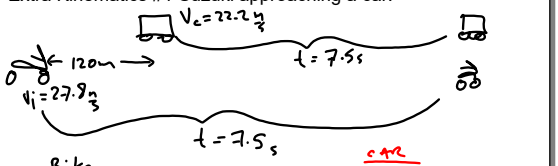
Extra Kinematics #1 Suzuki approaching a car.



Bike

$V_f = (27.8 \frac{m}{s}) + (\quad)(7.5_s)$

$a_B = ?$

$d =$

$t = 7.5s$

distance bike has to go $120 + \_\_\_\_$

$= \_\_\_\_$

$d = V_i t + \frac{1}{2} a t^2$

$a = \frac{d - V_i t}{\frac{1}{2} t^2}$

car

$d_c = (22.2 \frac{m}{s})(7.50_s)$

$= \_\_\_\_$

Mar 15-11:03 AM