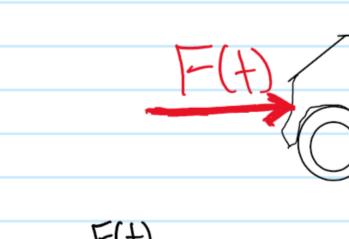


given M, F, t find V₂



Impulse and Momentum

$$My_1^2 + \int ZFdt = mv_2$$
 $\int_0^2 Fdt + \int_1^2 Fdt = mv_2$
 $\int_0^2 F\cdot 2(\sqrt{2}) + F(t-2) = mv_2$
 $\int_0^2 F + F(t-2) = mv_2$

