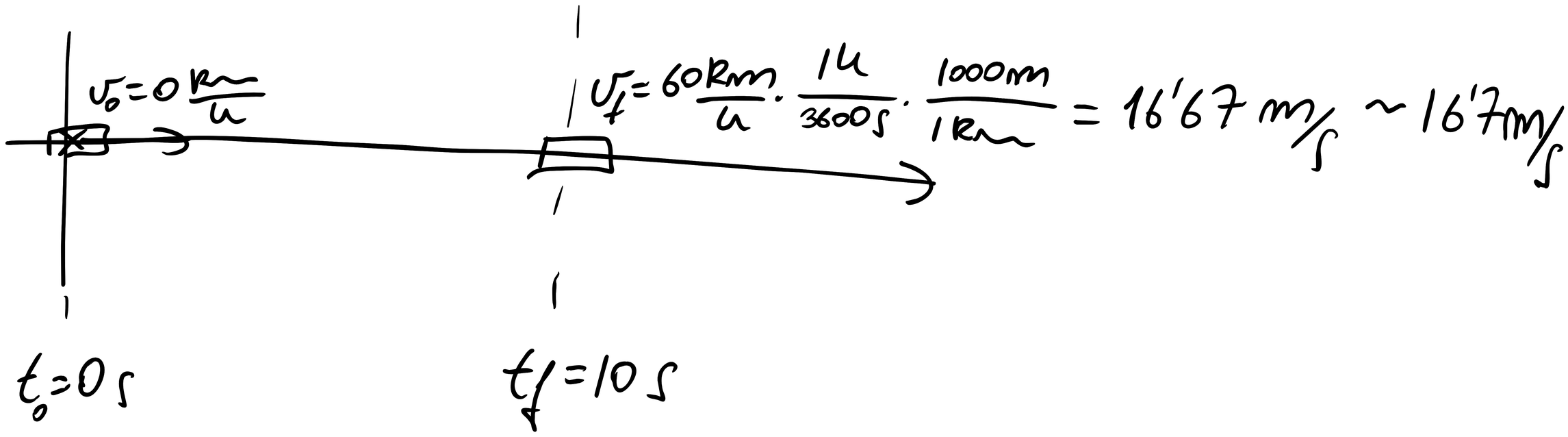
Ejercicio 6 de MRUA:



$$M.R.M.A. \begin{cases} v = v_0 + a\,t & (1) \\ x = x_0 + v_0 \cdot t + \frac{1}{2} a\,t^2 & (2) \end{cases}$$

Utiliza la ecuación (1):

$$v = v_0 + a \cdot t \longrightarrow (16'7 \, m/s) = (0 \, m/s) + a \cdot (10 \, s) \Rightarrow$$

$$\Rightarrow a = \frac{16'7 \, m/s}{10 \, s} = \boxed{1'67 \, m/s^2 = a}$$

b) $x = \cancel{x_0}^{\,0} + \cancel{v_0}^{\,0} \cdot t + \frac{1}{2} a\,t^2 \longrightarrow$

$$x = 0 + 0 + \frac{1}{2} \cdot \left(1'67 \frac{m}{s^2}\right) \cdot (10 \, s)^2 = \boxed{83'5 \, m = x}$$