$$-a-(t)=6t+4$$

$$\sqrt{(t)} = \frac{ds}{dt} = 3t^2 + 4t$$

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$$\left[a_{\tau}(t) = \frac{ds}{dt} = 6t + 4\right]$$

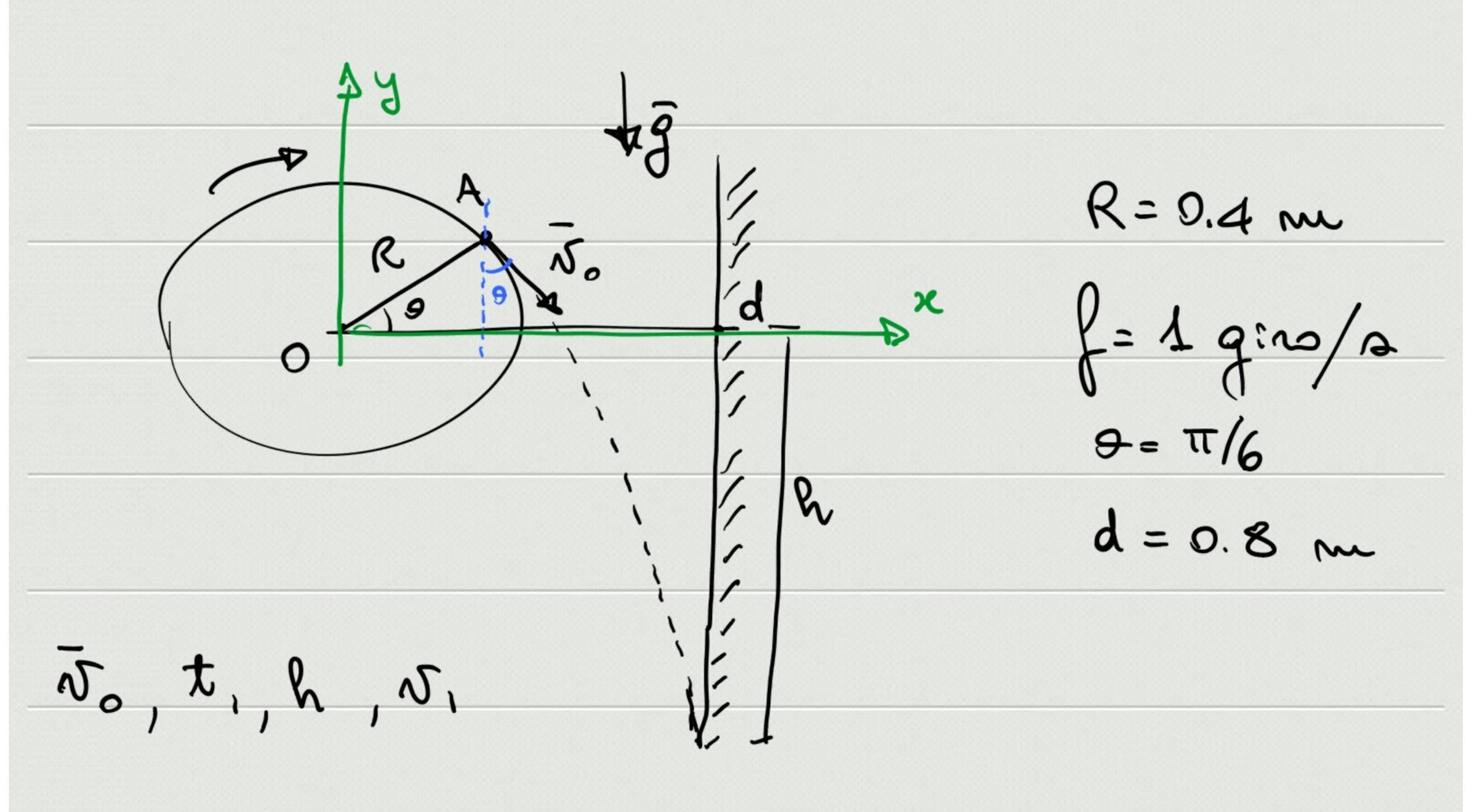
$$a_{N} = \frac{5^{2}}{R} \Rightarrow \left[a_{N}(t) = \frac{5^{2}(t)}{R} = \frac{(3t^{2}+4t)^{2}}{R}\right]$$

$$a^{2}(t_{1}) = a_{1}^{2} = a_{7}^{2}(t_{1}) + a_{N}^{2}(t_{1})$$

$$a_{N}^{2}(t_{1}) = a_{1}^{2} - a_{7}^{2}(t_{1})$$

$$\frac{(3t_1^2 + 4t_1)^4}{R^2} = a^2 - (6t_1 + 4)^2$$

$$\Rightarrow R = \frac{(3t^2 + 4t_1)}{\sqrt{q^2 - (6t_1 + 4)^2}} = 25 \text{ m}$$



$$\int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} \frac{1}{\sqrt{2}} = \frac{2\pi R}{\sqrt{2}} = 2.52 \text{ m/2}$$

$$\sqrt{2} = \sqrt{2} = \sqrt{2} = \sqrt{2} = 2.52 \text{ m/2}$$

$$\sqrt{2} = \sqrt{2} = \sqrt{2} = \sqrt{2} = 2.52 \text{ m/2}$$

$$d=x(t_i) \Rightarrow t_i = \frac{d-Rcos\theta}{V_0 sin\theta} = 0.36 s$$

$$y(t) = y_0 + x_0 + \frac{1}{2}gt^2 =$$
= Roing - x_0 cos \text{0.} t - \frac{1}{2}gt^2

$$-k = R_{0in\theta} - \sqrt{s} \cos t, -\frac{1}{2}gt,$$

$$\Rightarrow k = 1.22 m$$

$$\sqrt{5}(t) = \sqrt{5} + \sqrt{6}t = \sqrt{5} - \sqrt{9}t$$
 $\sqrt{5}(x) = \sqrt{5}(t) = \sqrt{5} \times = \sqrt{5} \times = 1.26 \text{ m/s}$
 $\sqrt{5}(x) = \sqrt{5}(t) = \sqrt{5}(x) = \sqrt{5}(x) = -\sqrt{5}(x) = -\sqrt{5}($

$$N_1 = |\bar{x}_1| = \sqrt{N_1 x^2 + N_2} = 5.8 \text{ m/s}$$