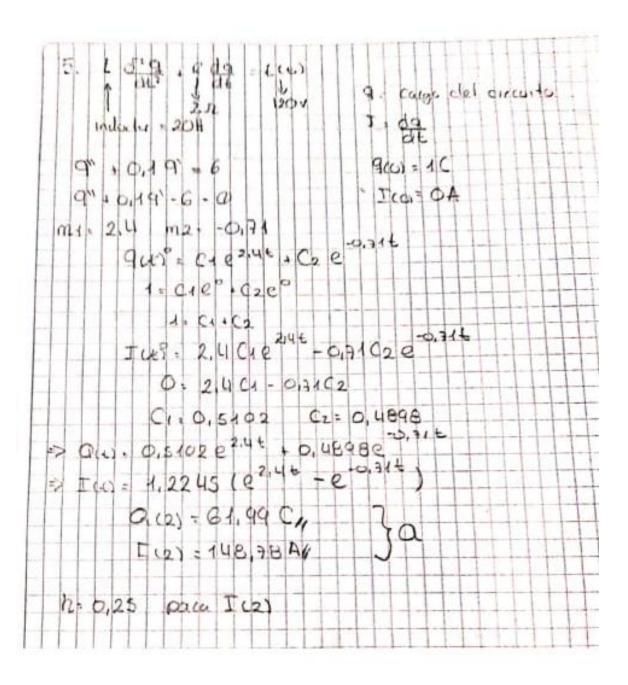


3) Rin= (0.06) (2000  $\frac{1}{3}$  ) = 1/2  $\frac{1}{4}$  min 11.59 Rait = Concernation of CO2 => Rin=  $\frac{1}{8000}$  (2000  $\frac{1}{3}$  min) =  $\frac{1}{4}$   $\frac{1}{5}$   $\frac{1}{3}$  min  $\frac{1}{3}$   $\frac{1}{4}$   $\frac{1}{4}$ 



6)  $\int_{0.1}^{2} f(x) dx$ ;  $f(x) = -\frac{\pi}{4} M(2x^{2}+1) = 0$   $f'''(x) = -\frac{5x}{2x^{2}+1}$   $f'''(x) = -\frac{9(-2x^{2}+1)}{2x^{2}+1} = 0 \Rightarrow x = 0.3031 \text{ ) If }(x) con$   $f'''(0.3031) = \left[-\frac{5}{2}(0.3031)\right] = 1.3638 = K$   $er \leq |K(6-0.3)|$   $n^{2} \leq [1.3638(2-0.1)^{3}]$   $n^{2} \leq [1.3638(2-0.1)^{3}]$  $n = [0.05 \approx 11]$ 

(i) (i) = (60 · 0) + (60 · 6) sen(1) (60 · 6)

(ii) = -2(60 · 6) + Sen(1) + (6) (6) (60 · 6)

(iii) = (31 · 60) (60) (10) + (10) (10) (10) (10)

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