a.
$$y' = te^{3t} - 2y$$
, $0 \le t \le 1$, $y(0) = 0$, com $h = 0.5$

(A) Solver of
$$Y' = te^{3t} - 2Y$$
 ... transformer en $Y' + \rho_{exs} = g(c)$

Avalities

 $Y' + dx = te^{3t}$... Aplicar of Falor Integrante y
 $y = te^{3t}$... $y = te^{3t$

$$Y = \frac{t}{5}e^{3t} - \frac{1}{25}e^{3t} + C.e^{-2t}$$

$$f' = \frac{d}{dt} \cdot (t \cdot e^{3t} - 2t) = \frac{d}{dt} (t \cdot e^{3t}) - \frac{d}{dt} (2t) = e^{3t} + 3t \cdot e^{3t} - 2t'$$

$$\hat{\Gamma}' = \hat{\epsilon}^{3t} + 3t \cdot \hat{\epsilon}^{3t} - 2(t\hat{\epsilon}^{3t} - 2Y) = \hat{\epsilon}^{3t} + 3t\hat{\epsilon}^{3t} - 2t\hat{\epsilon}^{3t} + 4Y = \hat{\epsilon}^{3t} + 4Y = \hat{$$

$$t^{(2)} = w_1 + h \cdot f + \frac{h^2}{2} f'$$