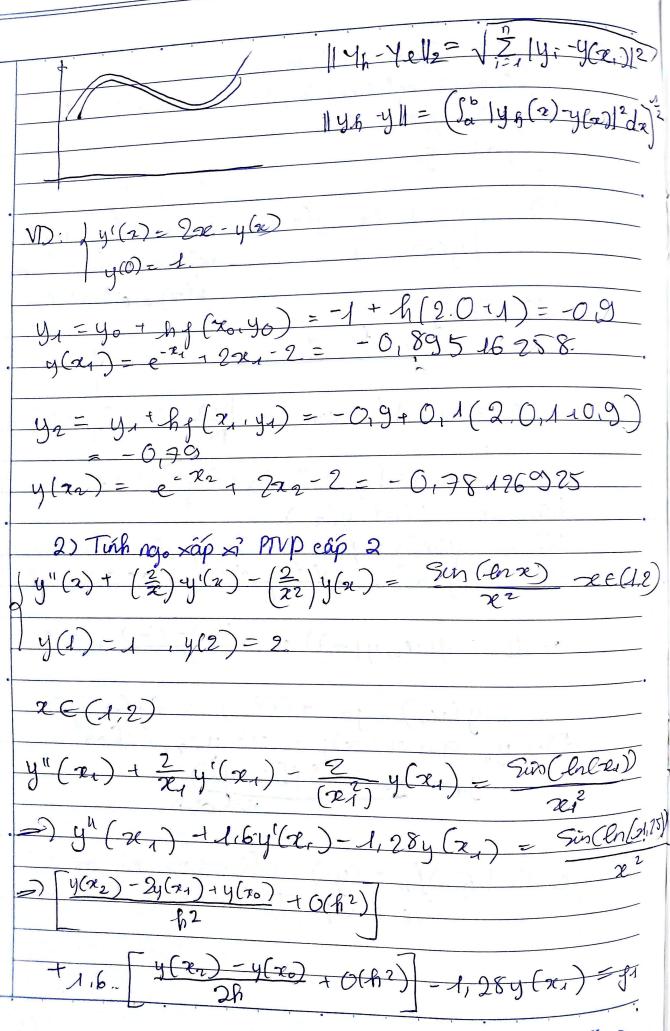
ling dung xáp xì đạo hàm Tuân 6 The sap si nghiers wa phirong trush phan as) y'(x) = y(z,y(x)) y(a) = yo Ea cân tinh no nghiêm rap xì VD: fy'(x) = 8x - y(2e) nghiêm chính xác sau: 4(0)=-1 = e-x + 2x - 2 Vyeab $\mathcal{R}_{i} = a + ih$ với $h = \frac{b - a}{N} \text{ Từn } \{y(x_{i})\}^{2} y(x_{0}) = y_{0}$ En bai toán vô han trêm, to chuyển về bài toán trên coic đườn a; Em y(x;) Teace $y'(x_i) = f(x, y(x_i))$ Ap durey cong that sai phointen $y'(x_0) = \frac{y(x_1) \cdot y(x_0)}{h} + O(h)$ do do f(20, y(20)) = y(2/1)-y(20) + O(h) Var y, gra tri xâp x² cuà y (xa), Thoà Ca les hier y = (y); là giá tri ráp xi ye = (y(zi)); là giá tri chuh xeie



*enliv0

$$\frac{1}{2} \frac{1}{2} \frac{1}$$

$$y''(x_3) + \left(\frac{z}{x_3}\right)y'(x_3) - \frac{z}{x_3^2}y(x_3) - \frac{\sin(\ln x_3)}{x_3^2}$$

$$+ \frac{8}{7}\left(\frac{f(x_4) - f(x_2)}{2h} + 0(h^2)\right)$$

$$- \frac{32}{49}y(x_3) = \frac{1}{7}\left(\frac{1}{h^2} + \frac{1}{7}\frac{1}{4}\right) + \frac{1}{7}\left(\frac{1}{h^2} + \frac{1}{7}\frac{1}{4}\right) + \frac{1}{7}\left(\frac{1}{h^2} + \frac{1}{7}\frac{1}{4}\right)$$

$$+ \frac{1}{7}\left(\frac{1}{h^2} - \frac{1}{7}\frac{1}{h^2} - \frac{1}{7}\frac{1}{h^2}\right) + \frac{1}{7}\left(\frac{1}{h^2} - \frac{1}{7}\frac{1}{h^2}\right)$$

$$+ \frac{1}{7}\left(\frac{1}{h^2} - \frac{1}{7}\frac{1}{h^2}\right) - \frac{1}{7}\left(\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\right)$$