

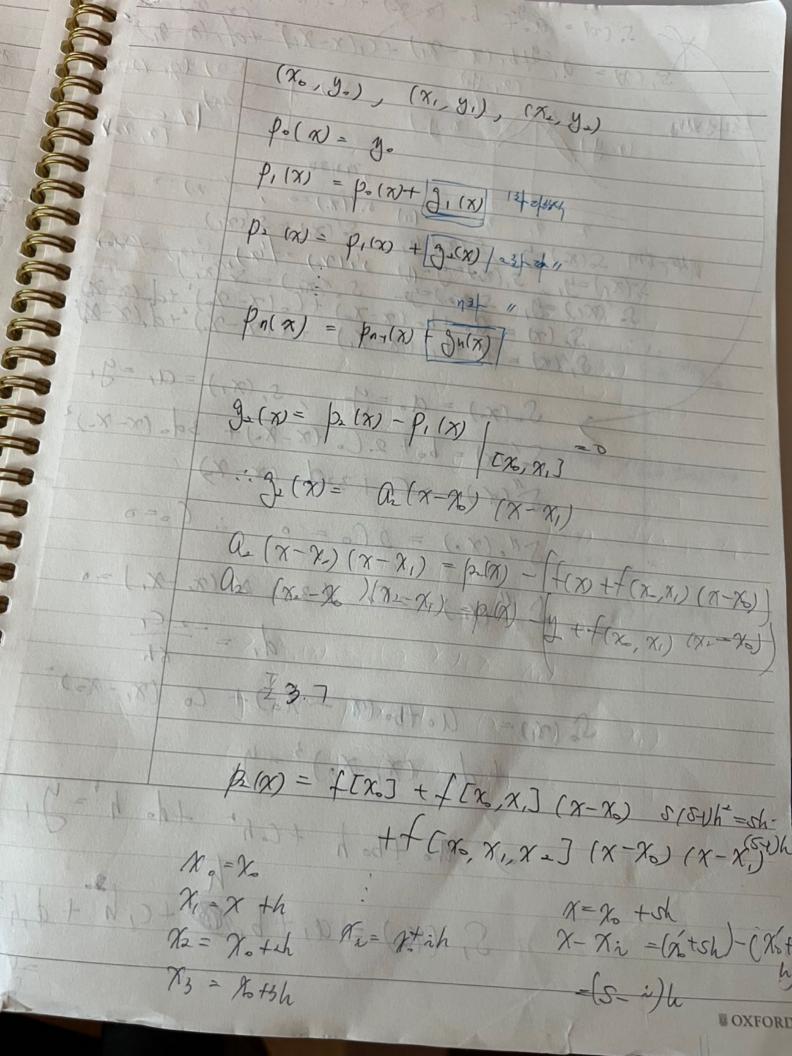
1 SCORE SINUZZA = - fax) 0 fm= g(n) = 111 / 1 11 1 10 -4x 30X)

J.) frxv Laigrunge
Warty (x., xy.) 0 B 11 B B 9- 8119° p(x) = Lp(x) f(x.) + L(x) f(x1) 6.0-0166 $L_{o}(x) = 7 / (x = x_{o})$ $l_{o}(e|se)$ (0,000,0) $4(n) = s , (x = x_1)$ (else)X-20 (P. N) check (x0) = Lo(x0) f(x0) + Lo(x0) + (x1) ± 1. + (x) + = + (x) $p(x) = 0 - f(x_0) = y_0$ $p(x) = 0 - f(x_0) + 1 - f(x_0) = f(x_0) = y_0$ Lo(n) = x - x $L_{1}(\chi) = \frac{\chi - \chi_{-}}{\chi_{1} - \chi_{0}}$

Pot (xo, y) (x, y), (x, y)

Po (x) - Lo(x) y = + L1(x) y, + L1(x) y- $L_{0}(x) = \begin{cases} 1 & (x = x_{-}) \\ 0 & (x = x_{1}, x_{2}) \end{cases}$ $L_{1}(x) = \begin{cases} 1 & (x = x_{p}) \\ 0 & (x = x_{0}, x_{2}) \end{cases}$ $L_{1}(x) = \begin{cases} 1 & (x = x_{p}) \\ 0 & (x = x_{0}, x_{2}) \end{cases}$ Lo(8) = (7-72)(7-22) $L_{1}(x) = \frac{(x-x_{0})(x-x_{0})}{(x_{1}-x_{0})(x_{1}-x_{0})}$ Lifm= (x-x=) (x-a,) (1/2 - 1/3) (1/2 - 1/1) 23 314 313P2 HY 25aty... रहेकः डिकिश) यन्त Leso (20 = (M-81)(x-x2) Ln. k(x) = (X-X)(X-X2) Ith (and - 20) 1 (xo-8k)

加利其 (pivided Differences) = y. + f [xo, q,] (x2-x0) + C2 (x2-x-)



 $S_{s}(x) = 4.5 + 6.6 (x - x_{s})^{2} + 6.6$ 0124 cm S(x)=y- ,S-(x,)=y, S'(x) - S'(x)) $S(x_1) = y, S(x_2) = y - (b) S(x_1) = f(x_1) S(x_2) = f(x_2)$ $S(x_1) = y, S(x_2) = y_2 S(x_1) = S(x_1) = f(x_2)$ $S(x_1) = 0, f(x_1) = (x - x_2) + (x_1) + (x_1 - x_2) + (x_1 - x_2)$ $\int_{S}(x_{*}) = d_{*} = y_{*}, S_{*}(x_{*}) = a_{*} = y_{*}$ So (x) = bot 2 Co (x-x-)+ 3do (x-x-)2 F F (8)=26+32d. (x-x) $(X-N)(X-1) = 2C_0 = 0$: (--0)S/(x2)=2C, +3.2 X, (x2-X,)=0 d, = -26, 6h So(M) = aotho(A - No) + co (N, - No) t do (x,-x.)3=y, =) a. +b. h + C.h. +d. h = y, S, (K2) = a, +b, 0 +c, h +d, h3