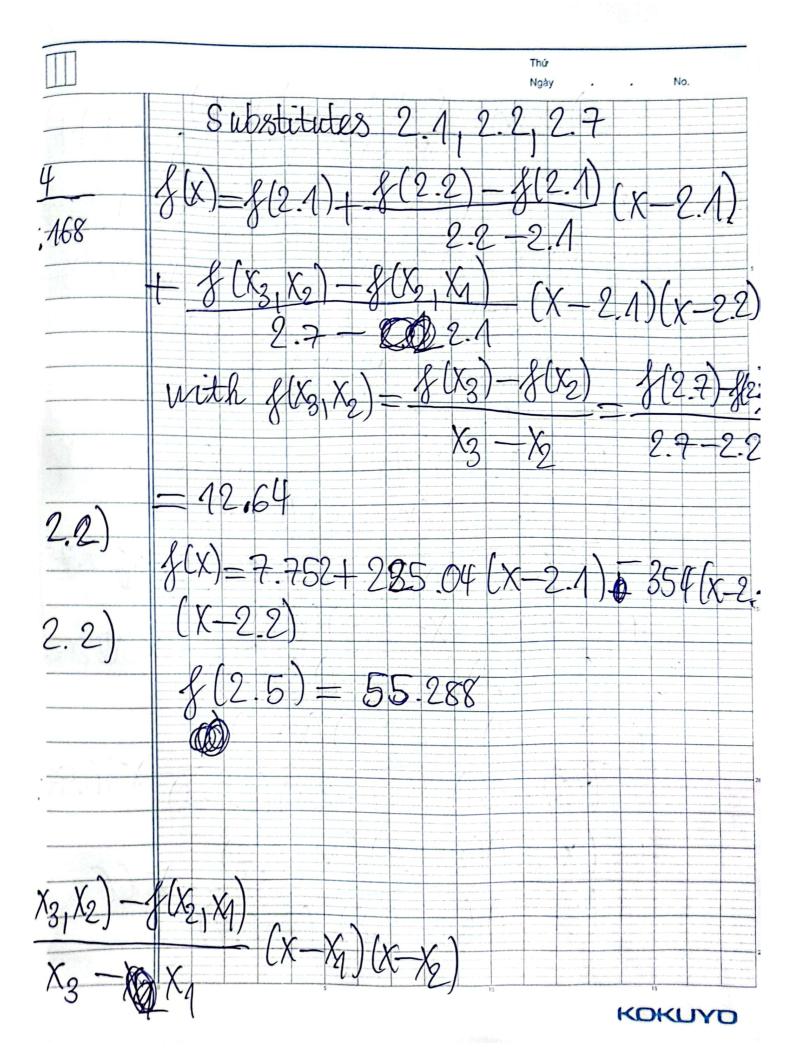
QA) + 2 | 2.1 | 2.2 | 2.7 | 3 | 3.4 | Z | 6 | 7.752 | 30.256 | 36.576 | 66 | 423; 168 | a) Using Newton interpolating polynomials $f(X) = f(X_1) + f(X_2) - f(X_2) + f(X_1) + f(X_2) - f(X_2) + f(X_2) - f(X_$ f(x) = f(2.2) + f(2.7) - f(2.2) (x - 2.2)30.256 + 36.576 - 30.256 (x-2.2) 2.7 - 2.2 f(x) = 30.256 + 12.64(x-2.2)f(2.5) = 34.048Second order: = g(xy)+ g(xe)-



-x 30.256 X36.576 Thứ No. Ngày

KOKUYD



Ngày We have: Ky=h Kn=0.5 & CO, 4 $l_1 = h g (x_0, y_0, z_0)$ $= 0.5 \times (-28)$ K2=05f(0+0.5,4+ lg = 0.5 x (-245)= 12.25 $= 0.5 \times 6.425 = 3.0625$ = $0.5 \times (-0.5 \times 6.425 - 7 \times 2.25) = 9.4$ $\phi = 0.5 \times 9.4 = 4.703$ there is no requirement of ly Substitute Kn 1 K2, K3 Kg

Ngày



KOKUYD

(3.5) = 2.375b) Using third order lagrange $f(x) = \frac{(x - x_2)(x - x_3)(x - x_4)}{(x_1 - x_2)(x_1 - x_3)(x_1 - x_4)}$ Use x1=2.5