Tseg Midael, Brumer Pascar 4a] sin(x)+5 = 7" + 1.1 y" - 0.1 y" - 0.3y y"= sm(x)+5-y"-1.1y"+0.1y"+0.2y ta = y(x) 2 = /(x) = 2 2 = y' (x) - ts te = /'(x) 2's = /"(x) = 24 ts = y"(x) 2'y = y''(x) = >m (x) +5 - 1.1 y"+0.1 y +0.2/ = 3.1(x) +5-1.1 ty +0.1 to.3 ty 2 y = y"(×)  $f(\times, 2) = e' = \begin{pmatrix} e' \\ 2 \\ 2 \\ 2 \end{pmatrix} = \begin{pmatrix} e' \\ 2 \\ 2 \\ 2 \end{pmatrix}$ Sin(x)+5-1.1t4+0.1t3+0.3ta b) y' = - x - y + 12 =- x -21 + n/ 21  $f(x,z) = \begin{pmatrix} z_1 \\ z_1 \end{pmatrix} = \begin{pmatrix} z_1 \\ z_2 \end{pmatrix} - z_1 \xrightarrow{a(z_1)} mb \quad z(x) = \begin{pmatrix} z \\ z \end{pmatrix}$