$1/\int X_1 + X_2 - X_3 - 2X_4 = 0$ $\int 2x_1 + x_2 - x_3 + x_4 = -2$ $LX_1 + X_2 - 3X_3 + X_4 = 1$ 11-1-2:0 Hoahveene 00 ,-2 0-1 1 5;-2 Januare ei na ,-1, 00-23,4 (11-1-210) Rophylo.
01-1-512
00-23/4 1100 3 -2 20 Brofes Some Dosahun 01-1-52 400 "-2" 00-234 $\begin{cases} 1 & 0 & 0 & 3 + 2 \\ 0 & 1 & 0 & -6,570 \\ 0 & 0 & 1 & -1,5 & -2 \\ 0 & 0 & 1 & -1,5 & -2 \\ 0 & 0 & 0 & \text{net} \end{cases} \Rightarrow \begin{cases} x_1 + 3x_4 = -2 \\ x_2 - 6,5x_4 = 0 \\ x_3 - 1,5x_4 = -2 \\ \text{which then the permutal.} \end{cases}$ Towne, O" het

2) 400 Str upokepus auc se my yperts peux pa cob mec on mocso à mai, ou Res- ho pe me mus me od to Da mo Coca hur 19 resoposus. I fachue un wa Thuyy " A" (Voilles 14 Nosepopuynensels " a pacumpenny 6 mas pung A/m rosopphuyne umels u olevos), par ux pann u chabant, c ser-han uylecthux, a) $A = \begin{pmatrix} 3 & -1 & 1 \\ 2 & -5 & -3 \\ 1 & 1 & -1 \end{pmatrix}$, $A = \begin{pmatrix} 3 & -1 & 1 & 4 \\ 2 & -5 & -3 & -12 \\ 1 & 1 & -1 & 0 \end{pmatrix}$ Mang (A = 3; nang (A = 3, Mosho, x - 3 => yha hue me cohneconme u umes 00 he pe me une $\frac{1}{3} = \begin{bmatrix} 2 - 4 & 6 \\ 1 - 2 & 3 \\ 3 - 6 & 9 \end{bmatrix}, \quad A = \begin{bmatrix} 2 - 4 & 6 \\ 1 & -2 & 3 \\ 3 & -6 & 9 \end{bmatrix}$ pang H = 2 rong A= L copieco un pemenn Spahne un ne

1) Pynkyun akvulagun B cetex Cus Har One RephersHOLS paros her poce ser. Sayacy 6 Bupage ca ofyyeure cen upux dura oge un baro 11 Rec " Naturdoro lierspona na 6100 reheres ales. Des ogensu upuxodute Bejlipa usa Toce no spagning spigning un, lingad? Com grynkyne ne Dughgrepengunpyens Te Jaseis Rojhfar ne Bejmonen. l'emedaher ve 1610 ne hoper tesses Outuna 16 me of ye mue ceon.
Onthe na 16 me of hope lot na of hope epe pengua pymoest, uv. In acodosta to our maisture opejungun de mode opepen-lla umo to mecto podolla, de mode opepen-guahno ... gunpejenne spejakyun Toke upednogowa enuc

al f(x) = x grynd sie al(x) = 1 who iy hod med EER - Cer Shi Tell Mex Mices $\mathcal{E}(x) = \begin{cases} 0 & \text{if } 0 \\ 1 & \text{if } x > 0 \end{cases}$ $f'(x) = \begin{cases} 0 & x \neq 0 \\ us & x = 0, \text{ s.c.}(1) = 0, a \\ uoueuus, & y \text{ uac}, & x > 0 \text{ Qoonfs De se so} \end{cases}$ E E & O, 13 B) $f(x) = th(x) = \frac{(e^x - e^x)}{(e^x + e^{-x})}$ $f'(x) = \frac{(e^{x} - e^{-x})}{(e^{x} + e^{-x})} = \frac{(e^{x} - e^{-x})/(e^{x} + e^{-x})}{(e^{x} + e^{-x})}$ $-\frac{(e^{x}-e^{-x})(e^{x}+e^{-x})^{2}}{(e^{x}+e^{-x})^{2}} = \frac{(e^{x}+e^{-x})^{2}(e^{x}-e^{-x})^{2}}{(e^{x}+e^{-x})^{2}}$ $= 1 - \frac{(e^{x} - e^{-x})^{2}}{(e^{x} + e^{-x})^{2}} = 1 - \frac{(e^{x} - e^{-x})^{2}}{e^{x} + e^{-x}} = 1 - \frac{(e^{x}$ = 1 - th2x. E e (-1;1)

 $2/ f(x) = \begin{cases} 50, & x = 0 \\ x & x > 0 \end{cases}$ $f(x) = \begin{cases} 0 & x < 0 - Nonesansa, 0 = 0 \\ 1 & x \ge 0 - Nonesansa = 1 \end{cases}$ E E [0, +0), V.K. Opyneiges upens up repyroucher, muesto " hoffacaco 0) P(x) = lu(1+ex) Janema 1 + ex = 4. lh(1+ ex)= lh(1, 19 Jasmyn Monglodunx: lh(4) = x = |lh(1+ex)|= 1+ex E ∈ (0, + ∞), v. 2. 2 / herda Jerome e) $f(x) = \sin(x)$, by vasuugus

where $\sin(x)$ f'(x/= cos(x) EEL-1, 17 - Names Vo culy col,