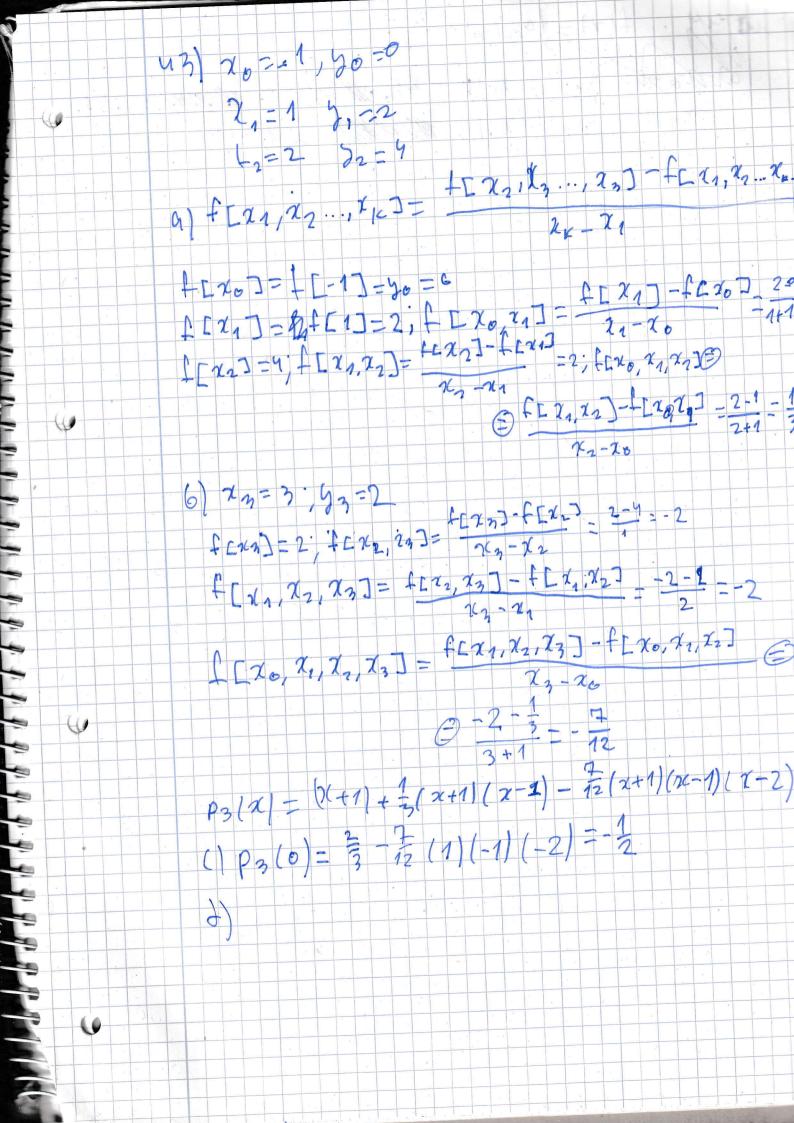


(a) 2) Aus () sehen wir dass Mex) = Prx) MC3) = 213 2 2,367 M(5) = 4 - 1,75 M(8) = 29 = 1,45 U2) 20=-1 40=0 21=1 91=2 a) 51, (x)= +1 (+-+), i=1...,h Pa-1(x)= 1 + + + 2(x-x1+ 1/2 + 2 (x - x/x-x2)+ ... + +n(x-2/1)(2-2/1)... (2-2/1) $A = \begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 1 & x_1 - 1 & 0 & 0 \\ 1 & x_2 - 1 & 0 & 0 \\ 1 & x_2 - 1 & 0 & 0 \\ 1 & x_3 - 1 & 0 & 0 \\ 1 & x_2 - 1 & 0 & 0 \\ 1 & x_3 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_3 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_3 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_3 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_3 - x_1 & 0 & 0 \\ 1 & x_1 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_1 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_1 - x_1 & 0 & 0 \\ 1 & x_2 - x_1 & 0 & 0 \\ 1 & x_1 - x_$ 0 Ax=9, A(100)/to 10/to =0 Ax=9, A(120)/ty =2, ty=1 (133)/ty 4 +=1 P2(2) = 0 + 2/3 1/x +1) + 3/2+1)(2-1) () P2(0) = 1.1+ 3.1.(-1) = 3



[11]=1 f"(0)=6 f"(4)=6 9(1-2) +6(1-1) = ((1-2) 9.(-1)24=(.(-1)=1;9,(=1 1) f1(2)=292-49+1002-100+18 3622-68x +38 f'(x) = 2a +68x-68 f"(x) = 66=16; 6=21 3) fin(x) = 6e = 6; e = 1 f(3) = d(2/2) + (3-3) = (3-2) - 1 / 1 =1 herprifen. A(1)=(1-2)2+(1-113=(1-2)2V f(2)=(3-212=2m(3-2)2+(3-312V $f'(x) = \begin{cases} 2(x-2) + 3(x-1)^2 & \chi \in (-\infty, 1) \\ 2(x-2) + 3(x-3)^2 & \chi \in (-1, 3) \\ 2(x-2) + 3(x-3)^2 & \chi \in (-3, \infty) \end{cases}$ 11(1) = 2(1-2) + 3(1-1)2 = 2(1-2) V