

x x a 10 x = 6 def ( , 70 20 - 0 a) Vx: (x & Us (a+a) = r f (a) & Ucr(6) & 10 30 = 01 c) 20 Tx: [ a xx za+der A(x) x - Gg N242 lim 1-00 a) lim x 21 - [2] = lim 2 - 1 2. 2-8-6 6) lim x2/ - 23/ - 3 - 15/ N 2.44 (im (1+x)5-(1+5x) -(1+5x+10x2+10x3+5x4+ x5-1-5x x+0 x2+x5 x50 x50 x3(1+x3) Elin 10x 21 10 x 3+5x4+x5 - lim x (10+10x+5x2+x3) xe(1+x3) x 3 (1+x3) = lim 10+10x+5x2+ x3 = 10+0+0+0 = 401 1 2.46 lim x3+3x2+2x = [0] = lim x(x+x)(x+2) = lim (x+1)x = x+-2 x2x-6 = [0] x+-2 (xx)(x-2) = x-2 x-3 = -2/20 - 194 N2.50 lim x4-3x+2 = [0] = lim (x-1) (x3+x2+x-2) = x+1 (x-1) (x4+x3+x2+x-3) = = lim x3+x2+x-2 = 1+1+1-2 = 11

X + X + X + X + X NR.53 tim x3 ex-1 = [0] = cim (x+1)(x=x-1) (107) (XEX-1) = 1+4+  $\frac{x^3 - 2x - 1}{x^2 + x^2} + \frac{x + 1}{x^2 - x - 1}$ x5.2x-1/x+1 x5+x4 /x4-x3+x2-x-1 X N2.57 (im (x-1) (x-2) (x-3) (x-6) (x-5) = (im (x-1) . (x-2) (x-3) (x-4) (x-5) (5X-1) (5X-1) (5X-1) (5X-1) N 2.32 y + 6-0, exus x + Thim f(x)= 6-0 /def/(/2 ro(3000) / 1x: 1x1 = 03. 16-628(x)263 N2. 34 9-76+0, LEKLYOX > a => limg(x) = 6+0 def (te ro) 30 = 0(6) 20 Yx: {xe Us(a) to y(y) & Ua atx 2 ary 624 48+43

det V470 3086) /x: {x & Co(a) => + (x) & U4 (+) } (m f(x) = 6 def Verro 300(4) 4x: (xe Vaco) = P(x)e Vac (8) } ( 10 30-0(C) 10 VX 1 X 2-0 = 1 g(x) & Uc, (B) 3 12.16 lim f(x)= 0 det / Co 70 30 = 0(Co) X: ( X & V 5(a+0) >7 8(x) & U4 (9) & (Bo) Fa 70 35-5/60 TO 4x: [ axxxa+6 = f(x)>0e 3 N2.18 lim f(x) = -0 def 1/200 55+0(E) 4x: 6 XG U (a+0) = + AX) 4- Cef (10 ro) (30= 5(ce) ro) 4x: 8 0x xx ax 8=8 f(x) 4-ce 3 N2.20 (im f(x) = - 0 det tero Joe of a) tx: { x & Vo(-0) => P(x) & Co(-0) => 670 75 5 (G) >0 YX: 9 XX-5 =7 Q G XXL Q+ G 3 (imf(x) = 0 de f te ro 35= ora) tx: (x & Os 6) => f(x) & Oce (=) } to yo 30= ola) to 4x: [a-52x2 a+6) = x2-6} amfly = +0 def the to south Yx. [x & Uo fa) = 7 f(x) e (6 (-0))? Va 70 35 day 10 tx: 8x75 37 x4-63

