teusl X= {11/2/3 1... 1... 3 und, Haunensunus an ment limpson = 0 Nausontmux Inement: 1 54pX =1 inf X 40 (5.74) X = {x & R | X = 1 | n & N } Xoin = lim 1 = 7 He cywe is byes infX = 0 SupX = 1

(3.45) X= [-1;1] mox X = 1 1 min X = -1 SMPX = 1 infX = -1 (5,76) X = {x & #1-5 < x < 0 } 1 min X = -5 maxX =-1 infX=-5 sup X = -1 (5.17) X = {x ER | X L O } maxX - ul cy uje 5/2 et minX - ne agryles 1365 54p X = 0 18t X = -00

X = {XER | X = m, m, n EN, m Ln } mxX - ul egyetbyet Min X - ne cy ye colyet Sup X 5 infX = 0 (5.134) 469 Han grynkyng +(-x)=+(x) 1144 (-X)=-+(X) +(-X)= (-X)4 +5(-X)= x4+5x=f(x) => yeina pynkyna (5.135) F(X) = X2+X +(-x)=(-x)2+(-x)=x2-x=7 Hu negernan, un uordan

(5.136) f(X)=X 2x-1 x(-x) = (-x) $2^{(-x)} - 1$ = 7 un resugn un uenequal (5.137) T(x) = ex + 1 f(-x) = e-x +1 ex+1 ex-1 =-f(x) e-x-1 => ueyequan (5.138) +(x) = sinx - 605 X f(-x) = sin(-x) - ess (-x) = -sinx-65x => un nervan, the Keyer was

+(X)=19-1+X r(-x)=19 (-x =-19 (1+x)=-f(x) resugn 1+X Fuan 57 Meyeguax pyulyux (3.141) P(X)=56057X nepusg 655 X = 217 15-19a 909 + (X) = 56357X Nanue Klund -f'(x)neprog palex 212 (5.142) +(x)= 605° 2X nepring cos X = 211 neprog cog 2x = 2/ = 11 X-65X

15.147) Ka 514 3 passes & grynkyns
D (F'(X)) y = ax + 6 x=y-b=+- (X) 2 (x-1(x)) # R = R 5.148) y=(x-1)3 = X3 - 3x2+3X #37y = x - 1 X = Ty +1 +-1(x)= Vy'+1 d(+-1(x)) * = R

yukono, 6.149 -(x)) - met obpassed, s.K. 7-6052X plpuogurna (5.150) y=ln2x VA ZX = ey $X = \frac{e^2}{2} + \frac{e^4}{(x)} = \frac{e^4}{3}$ 2) (f-(x1) = (0; too) 5.151) y = 2 x/2 10924 = log2 (2×12) X=>240924 10924=X fix=x=210g2(3) p-1(xy) = (0,+0)

(5. 152 y = I-X (1+x) y = 1-x 2 + xy = 1-x xy+x=1-4 X (y+1)=1-y X= 1-4 + (x) = 1-4 7+1 B(+-1(x)) - (-∞; +) V(-1; +∞)

16.153 1 = X² + 1 1 = X² = 1 - y 2 = X² = 1 - y 3 = X² = 1 - y (J. 154) 9=x2-1 npa XE (-d;-1) nruxe[1/2; too) x2= y+1 1x=19+1 = + (x) 1/7 (X) = (-0,-1) - 4 + 4 = 4 a) mon x & (F '(x)) - [-] re) y + - (x) = - vy+1 8) y x = vy+1 = f - (x) y & [-3; +w) y € [-3; fae)

Marru. 9 . 6 65. 159 f(x)=1-x, 9(x)=x2 fog = 1 - (x") 2 of = ((-x)2 (5.160) +(x)= ex, g(x)= ln X tog = enx = x gof = Ine* = x

3.169 P(X)=1X) 3anucasió Eluge Kompozugun ouldunx menenga-Max gyukyus Ay a (X) - X2 6(X) = VX 870 BUE (VX) = 4C(X)=PXT 600 = VX2 = +(X) = 1X1