1×1= == 2 {(-4,1)/303} + 1= 803+ 1= 823 0 6 (0,1) a) 2,= MI-87= /1X2dx+2/== = \frac{\x^2/1.2 \tau 1-0 = 1-0 2= 1/X2. 2 dX + 4, 4=0 = = x3/1 . 2 + 2 - 20 = 2 - 50 D= 2-30-1+20-0=1+0-0 d,=2,=X 0=1-X 16) Helcilles. MEDJ=MI1-XJ=1-M8=0 Hecupular

I(0)= [(2/n(=1)2, 0 dx + 2, (2/n/2)(1-0) = 1 (6 /2) 2 dx + 2 (1-6 1-1) (1-2)= = /-1 = dx + -8-12 (1-6)2 (1-2)= Julen, on man Ha & Kannon guen. Inpart. From & kaunanny uz F => no yorm, you, seepabersombo Knawera-Too; DE 07> nI(0) = n 0-02 1+30 $\frac{3+B-3B^2}{3} \ge \frac{B-B^2}{1+3B}$

(In 4)=(n-m)=+m=0.(-1)=0 $n-n-n\theta+m\theta=m\theta=0$ $n\theta=n-m$ $\theta=1-2$ DB = DI - DF D) = (1-0).0 m>0 remannatio gom, you (1-0).0>0-0-1 1+30 h He Bun, gocm. Jul 3001

1,=2,= x => 0,= = x MIB,] = MI = XI = = 0 Helley DE 0,1= 4+08 = 402 + 4 = 000 cocm no youm, you. = for & O < minx; < maxx; < 20} max Xi & min Xi Xi e(B, 2B) $B_2 = \frac{x_{max}}{2}$ MLBJ=MLZXmaxJ= = 1 20 X'N (X-1) dx

DEB27= (2n+1)2 MIXmax] = 0 2n+1 MEXMAX 7 = 120 X2 n (x - 1) n-1 to dx = = 120 (t+1)202n tn-1 dt= = n 0 2 (\frac{\pin+2}{n+2} + 2 \frac{\pin+1}{n+1} + \frac{\pin+1}{n+1} + \frac{\pin+1}{n+1} = =nB2 n2tn+2n2+4+ n2+3n42 -(n+2)(n+1)n = 62 411 + 1991 + 162 (n+2)(n+1) DEXMAX 7= B2 FYNTHM+6N+4N+4N+6-4N-4N-N-8N-27-TO 2 - (4n + 8n + 6)(n+1) + (21n2+4n+1)(n+2)7-(n+2)(n+1)2 => com, no goom, you Un>3 DEB,]= = = DEB,]= (2nt) 2 (non) Morrisité goben, urm. F = Xmax F-9(y)=P(Xmax=64)= = (F(By)) = (= 1) n= (y-1) n y EE [] g(y)=8'(y)=n(y-1)n-1 t,= 91=3 t2=9118 B=0,05 (t,-1)"=1= + + 1=1+2" P(E, 5 xmax, 2 t2)=B Xmax 20 Xmax Xmax 20 Xmax 1+30,025

t1 < 19 (2-21) 2 t2 -1,96V 3 (22-21) + 3 2, < Q 2 60 V 2 (22-21) + In 4101=11/n (-0-1) = n/n/ Un 6/2 = n = 1 = 1 = 0 med !

In f(0)-f(0) ~ 10,1) IO)= 10/2/np/2-0-1 dx = 10/5-1-/hx/2016 = 1001) xã d x - 2 100 x /hx /x 00 (0-1)/n x dx $-2\int_{1}^{\infty} \frac{\ln x}{x^{\alpha}} dx = \frac{2}{b+1} \int_{1}^{\infty} \ln x dx^{-0+1} = \frac{1}{x^{\alpha}}$ - 2 /nxx - 8+1/0 2 / 0 x - 6/x = +-2 - 0-1/nxx - 8+1/0 0-1/x - 10-1/2 JODE 1-11/1/1X dx = -1/2 x x -0+1/0+2/0/1x dx I-(Q) = (0-1)2 Mich VTFI-17 = V(20-1/2)2/0-1/2=

Acuun, gober, urm, a 10117: In 2-2 100,1) 8-496(B-1) 2020+496(B-1)