(VCOS2X+5/12x7-8x) (4) a) (im In Chx _ aresinx SAX L 1×(x-1) 245 PACMAHEMO (B.E. 1 blibe & goxyby) 5 h dx = 2x + 4x + 0 (x3) Bos 2x=1-1x3+0(x3) ex=7+x+x3+x3+0(x3) $Ch = (+ \frac{x^2}{2} + 0(x^3))$ $In (7 + \frac{x^2}{2}) = \frac{x^2}{23} - \frac{x^4}{8} + \frac{x^6}{24} + 0x^6$ $\frac{\int h \cdot \chi}{a \cdot c \cdot s \cdot h} = \frac{\chi}{\chi} + \frac{\chi^2}{4 \cdot c \cdot d} + O(\chi^3) - \frac{6 \times c \cdot d}{6}$ HOTESHEXIBASTEPEN HX-1X JE(X)= 4x-dxd E(0)=07+15= E(X)= 4-4x)(x+3)- 4x-1x+1 - 4x-1x+1 = 8x = 1/2 + dxd = 8-8x - 1/2 = 1/6 = 1/6

1/(x)=(-8-4x)(x+3)3-X+8-8x-18)(x+3) = -32 (x+1)3 £"(0)=-3=-4 £ 11(x)= 30-3 (x+0)# £11(0)= 213=6 4x dxd = 0+2x -2x2+x3 +0(x3) 17th 15052x+5127-7-1-5-6 X>0 18052×+510× = 17+2×-2×3+4×31 19(x)=V1+2x-2x3+93x31 3(0)= (X-4x+4xe) 3(0)=-2/1/dx-2x2-5137 9"(x)=-(8x-4)V7-200201537-(2-4/X-1/4) TFXX-3XX++1/2X3

39(4) = VEDSAXEShax/ 9(0)=1 4 (x) = - (-2542x +2 Ch3x) 16051×451041 911(x)= 14605) × 45 MX (5052 X55 M) * () sindx-d (hdx)2 V bosax+sndx7 Y(2) COSIX - UShix) (GOSIX + Shix) (COS 2 x + 5 n 2x) 7,5 -1(35 (02x-2662X)) = 4(805) 7/2 - 5 M2 JX) - 4 (50M2 X 6m) (t 05 d, x + Sh 2 x) 875 91(0)=1-8-2 6052xsinax-16 shaxchax
1605-2/+ snapp

= 8 (Sindx-Chix) (Costx-sms) (Costx \$ (5 N) x) 1/2-0 (...) = + 3 VEOS2X+3hdx = 1+2X+0+3/3 $\frac{1}{3} + \frac{1}{3} \times - \frac{1}{3} \times \frac{1}{3} \times \frac{1}{3} = (i \text{ Im} \frac{1 - \frac{1}{3} + \frac{1}{6} \times \frac{1}{3} \times \frac{1}{3}}{12 \times (5 \times 4 \times 8)}$ $= \frac{2 \times 2 + \times^3}{12 \times (5 \times 4 \times 8)^2} = (i \text{ Im} \frac{1 + \frac{1}{3} \times - \frac{1}{6} \times \frac{1}{3} \times \frac{1}{3}}{12 \times (5 \times 4 \times 8)}$ $= \frac{2 \times 2 + \times^3}{12 \times (5 \times 4 \times 8)^2} = (i \text{ Im} \frac{1 + \frac{1}{3} \times - \frac{1}{6} \times \frac{1}{3} \times \frac{1}{3}}{12 \times (5 \times 4 \times 8)}$ $= \frac{1}{3} \times \frac{1$ -12.(6x+x3) -12.(6x+x3) -36x2-12x4=x6=/imx(1+1) x30x(2x5m3) = 12/2 (6+x2) = 42 = 20

dolim (x In(1+x)-x/hx+ artig =) Lareige Elimox Lanceg x 1 p (x ln lt+x) -x14x+916193x) Bla hat 10 m I'm x2 austg x In (xIn(t+x) - × /11 x + ans (9 = 5x) X/11/1/2 X/2 X/2 X/3 - X/4 (X3) arttg = 1 = 1 x - 1 PIJADKUM INX SE(X)=11 X - 110/2 x (n(t+x)- x / nx= x(1 n(x+x) (nx) = x (n(=x) = 14(1-x)= 14(1+3)= 4- = 4- = 3340(3)=

= 1n(x1n(1+x)+anegg=x)= = (n(7+ 3x-7) = 3x-7 8x-02 + (8x-7) = 3x-7 3-31/2x = 4 3-31/2x = 4 602 1129 8x-11-3.211x3 (8x-1)x+ = 218x-7/3 6 243 X9 $\frac{1}{3} \frac{1}{3} \frac{1}$ 1 (m) x 3-x2)(8.242x6(8x-1)-= X > D X 8 5 5.243 3.24x3(8x-7x+2(8x-13) 3AMEELAN, 980 HAM WHIFE EHUFOH BYNSLOTEIN CONGRO TREBPAZIET MA ETE MATE 8000Phx = 6. (i-k. 001. +0) TAKIM DED 130 M

1671 3.0.2428 18x-71 x2186-10 = x2186-10 = x24 7-20 X8 8.3/33 + 18 × 1/h - 13 x-1/2 = 1 m (x3-3) (xx) J. J. M. X - 1ilu (8x-1) (158x-7-483)= 7 = D - 2.242 X x(8 - 2) (152 - 488) = D. 2434 -1600 8-152-8-48xx = -00 x = 2 2-2=0 e-2=0