

(d) from 6, see coefficient of electo 12 3Ae4x = 12e4x 3A-12 A 24. from c, ser coefficient of K to 16. 4Ax=16x, 4625A V= Ge4x+Czex+4x+5+4xex Add Cocches 4 = 4c +4p, +4p2 U! = - 42+ = - XXXX (4=2x (ux)) e 4x ±0 on the interval (0,00) therefore liberly undependent on the interval (0,00) 4.1 =-4x (no(x) U= 54x Indidx =) U2= Sulmx dx =4(x lnx -x)=>U2Yz=4x24xex-4x2e2x Yp = -2x2/n(x)e2x + x2e2x + 4x2(1/x)e2x - 4x2e2x
2x2/1/x)e2x - 3x2e2x 4= C, e2x+Cxe2x+2x2/1/x)e2x-3x2e2x 5. x24"-4x4"+6400. a=1, b=-4, c=6 auxeq. b-a=-5 m 2-5m +620 (m-2)(m-3) 20 1-2)(M-5) 70=C,X2+C2X3 >> Y=C,X2+C2X3; 1-2)(M-5) 70=C,X2+C2X3 >> Y=C,X2+C2X3; OF CTX SEC 8=2((2)+3(2(2)2 024(2)2+(2(2)3 82 4c1+12c2 44=-862 8=4(-262)+12ez (1: -2cz 8= -8-2+1202 8-2402 C222.