$p(x) = \begin{cases} e^{-x}, x > 0. \\ e^{-x}, x > 0. \end{cases}$   $\theta > 0$   $f(x) = \begin{cases} f(x) dx = f(x) = 0. \\ f(x) = 0. \end{cases}$ 1 = 3 0: 0, = x 0 = x M[3]= [xe & dx = f(-0xe o/ +0 fe odx)= = Se-&dp = 0 e- 8/ = 0 Mgg25= 5x2 e & fdx = & 8x2 e & dx = # (-0 x2 e & /+0 + 20 \$ x e & x)= 202 Defi= 48 8 3-4 [ 13 = 02 10, MEB (XA)] = M [ & X; 5 = = -3 M2 & 7 = 0 - HERCELLE. 9(4) = np(x) (1-f(y)) 1-6 (f(x)) 1 = 2 (60 = -10 = ) = MIO 3 = MIX(1) J= S g progrady = S = (ye = - ye / dy = B' = 503 - recuery

810 7= D[ = 2 x, ]= = 325 17 = 0" 6, - 110; 3=41xin 1=6 5 (x'e' + x'e + /dx = 6 ( exe 0/ + 3 x'e 0/ +2 2 x x e dx-- 2. 4 5 xe 8 dx = 6 (5 + e 8 dx - 3 - 3 5 ke 8 dx)= -6(\$ -262) = 6(2702-802) = 18 02 DE 0 1- MIG; 7-1 "101 = 13 02 B (0, 1 = 36 70 = 13 02 8 L 0, 1 C D ( 0, 1 >> 0, - Soule 2009. 04. 3) \$ (0) = 4 [ (0(5(x,0)) = ] = 4 [ ( ) ( ) (x,0) ] ] = = M 250 Ch C 0 Ch C 6 Ch C 6 1 1 5 = = MC(30(-8-4011) = MC(8--619= + MC1 1-6761)+ + あここ ちょうちょう O. : Bl. By 1 - 2. oup us V noneust us (0; +0) (ca, 67 clo, +001 -> +010.61 L> 0- ( = 12) as 0, - per no socre yel

DEFI J = IT 0 - on na v valuation of y (0; m) (19/32 10; 1001 5 40 19. 17 14 13 0 C 17 6) 10 or o's - per no foce yes p ( v . Q ) = P ( X . Q ) - Kerr grop no a ma (0, ses) \$ 0 p (x, 0) = xe & e & 1 0 p(x,01dv = 1 ( ret - e + ) dx = (-x e + ) to + + 12-6 - 12 6 = 0 \$ \$ p(x, 0) dx = \$ \$ p(x, 0) dx 501 - 6- 6 C (10:+ 11) DONCE 5(01)0406(0; +00) 23 mosely per => momen mensusphered 11-be (pomene - Paro ₩ € (0, 400) 4 D [ 0, 1 ? Stepen mile) & D' DIE 1= 1/01 = 1 no for you 8. - 790. On for in on - ne you T. w. nomes our roll no ogna. De.