Quiz 1 Noor mustare exy 29 = e-7 e-24-9 M(X,5) +N(X,7) =0  $N(x,y)=e^{x}y$ Fram  $N_{x} = e^{-9}$ e > 3 = e (1+e - 2x)  $e^{5}$   $\frac{39}{3x} = e^{-x} + e^{-}$ Je44 dy = fe-++e-3x dx 7e 5-e5+C=-e-x 1-e-3x+C 4e'-e'=-e-x-1e-3x+C

EUIZ 1) NOON MUTERTON) -(P-B) 4/nx 2/2 = 4+1 9+1 3 = XINX July = Junion a=Inx SI-41, 29 3x (In x) -> x 1 2 2 N サナイナ ナーナー In (IM) +C 女二9+1 4+C-Jan In (linex) 1+C 4+( -(In(lu))+c) 5-Indul)+C 7-In(17+11)+c=In(Incx))+c 5-In(19+11) = In(In(x)1)+C/

2012 1) Nour moura 2 (D) xy+(3x+1)y=e-3x x >0 3x + PCX) 9 = (QX)
PCX) = 3x+1 = 3x+1 = 9-3x X リジンナン が ナヤ(x) ルV = Q(x) U まま + V[xx) トP(X) い] = Q(X) PROFESSION SOLVETI Jx + P(X) N=0 in Ju = - PC + JX In(u)=-5 PUDOX  $y' + \frac{3x+1}{x}y = e^{-3x}$  $| n(\omega) = - [3x + |nx] + ($ U=e-3x e+1nt ec OL= (e-3x contined Page.

$$4 = \frac{(e-3x)}{x} + \frac{1}{c} \times + \frac{1}{c}$$

$$9 = e^{-3x} + \kappa e^{-3x}$$

Evis I Nool mosser (2B) X41+7=ex, 9(1)= +PCX)Y = QX  $Q(x) = e^{x}$ 0 3x = Q(x) JX + P(X) CX = O 17(W) = - 1 PUX) 2x In(W) = - In (x) + In(S)  $u = e^{-1n(x)}$ XC = EX 2= =1+#