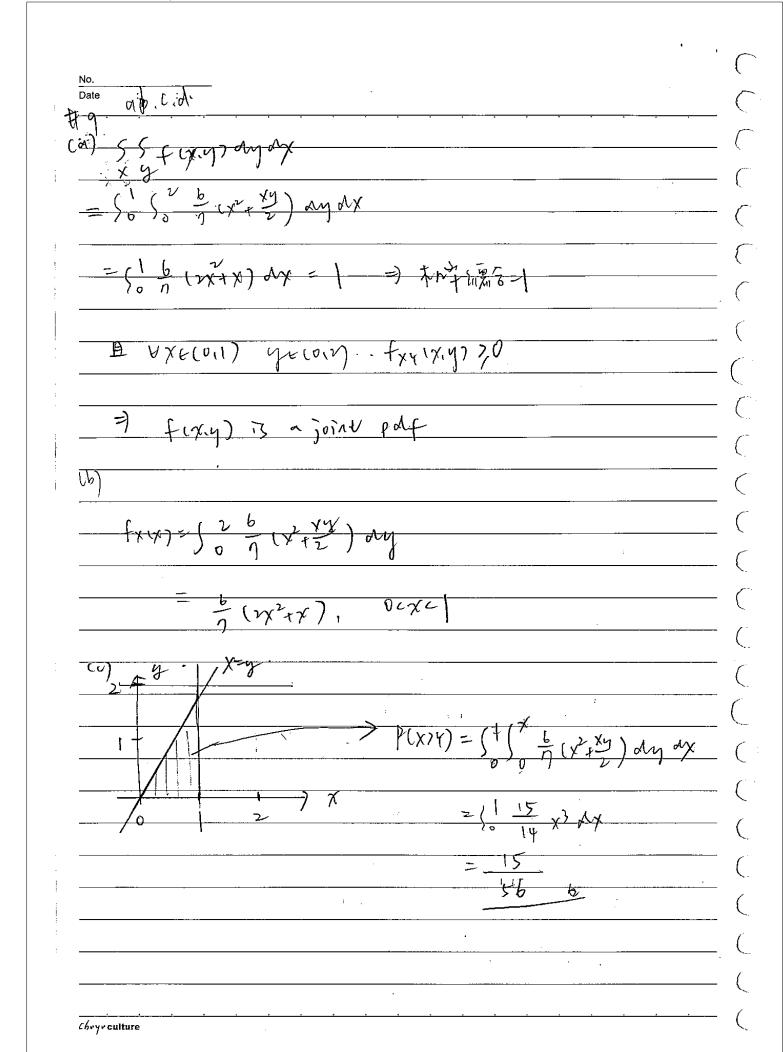
, 68911			No.	
· · · · · · · · · · · · · · · · · · ·	2 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Date	:
d p, ) (y = 10	产户是更多种的技术。 0、M	, √=1,2,3	n.y., <u> </u>	
(g, yx) (0,0)	(0.1)	·) · (1.1]	)	
	11/211/201			
P4.42 (y. yz) - C11 )	1 -0	7) (		
	= 3) =	3)	7)	
	<u>'</u>			· ———
) <u>(b)</u>	<u> </u>			<del></del> -
(y1.y2.43) (0,0.0	) (1.0.0)	(0,1,0)	(0,0,1)	
Pru (gr. 42 43) (3	<del>-/</del>	(12)	C'?)	•
1919293 1 1/	(13)	(13)	(13)	
			· · · · · · · · · · · · · · · · · · ·	· ·
(y142-45) (111.0	(1.0.1)	(0.1.1)	Chil.)	
<u> </u>	(10)	(0)		
P4,4243 (4),42.43) - (3)			(13)	
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No	
# b-b	
(NI.NZ) = (CIIF) (1.2) (1.3) (1.4)	
(2/17 (2/17 - (2/3) ) (2/5)	
(3.17 (3.12)	
· (φ, l)	
P(N=1, N==1) = = = = = = = = = = = = = = = = = =	
$P(N=1, N=2) = \frac{2}{5}, \frac{3}{4}, \frac{1}{3} = \frac{1}{10}$	· · ·
, 5, 4 3 10	<u> </u>
N. 7	<u> </u>
10(N=0 N=1)-3 21 2 1 - 1	
P(N=4, N2=1)= 3 2 1 2 1	b
$\frac{1}{2}$ $P(N_1=n.N_2=j) = \frac{1}{10}$ , $i=1,2,3,4$ .	
t h-9.	
7-10-7-1	·
(n). y	4 .
////// x=y.	
) x	
- Xa-y	· · · · · · · · · · · · · · · · · · ·
「すれずりですっ」	
11 (00 (y 2 yr) 0 M AN 40 (00	0 6 6 3
> ) ig ((g) 1/0 3/0 3/0	- Harris Company
=======================================	13+342+64+6) 0

= 4e (x-y-147x x22) -00 + 4 ex (-x-x-1-1x-2)

Chryrculture



13) Let 
$$x$$
 defines man's arrival time  $\sim U$  of  $f(s, 4s)$ .

 $Y = \omega o n o n o s$ 
 $= \sim U n f(o, 6o)$ 

1)  $P(1Y-X|
 $= p(-t+X \le Y \le t+X)$ 
 $= p(-t+X \le Y \le t+X)$$ 

(b)· 以题意, (x, Y)的圆加下.

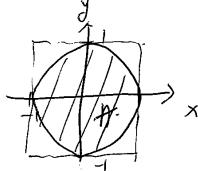
已知后面.也就是水孝以2=4.

$$f_{x}(x) = \int_{-1}^{1} \frac{1}{4} dy = \frac{1}{2} \int_{1}^{1} f_{x}(x) f_{y}(y) = \frac{1}{2} \times \frac{1}{2} = \int_{1}^{1} f_{x}(x) f_{y}(y)$$

$$f_{x}(y) = \int_{-1}^{1} \frac{1}{4} dx = \frac{1}{2} \int_{1}^{1} f_{y}(x) f_{y}(y).$$

故义上了中

(c).



A为了半径为1的圆、面颜为1元=元.单位.

已知了了的面积(即下)=十.单位、

1). 
$$f(x, y) = \begin{cases} xe^{-|x+y|}, x>0, y>0. \\ 0, 0.12 \end{cases}$$

$$f_{x}(x) = \int_{0}^{\infty} xe^{-|x+y|} dy = xe^{-x} \int_{0}^{\infty} e^{-y} dy = xe^{-x}, x>0.$$

$$f_{y}(x) = \int_{0}^{\infty} xe^{-(x+y)} dx = e^{-y} \int_{0}^{\infty} xe^{-x} dx = e^{-y}, y>0.$$

1:  $I(x) = \int_{0}^{\infty} xe^{-(x+y)} dx = e^{-y} \int_{0}^{\infty} xe^{-x} dx = e^{-y}, y>0.$ 

1:  $I(x) = \int_{0}^{\infty} xe^{-(x+y)} dx = e^{-y} \int_{0}^{\infty} xe^{-x} dx = e^{-y}, y>0.$ 

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1:  $I(x) = \int_{0}^{\infty} xe^{-x} dx = e^{-y}, y$ 

Theoretical Exercite.

(1) [a] (b) 
$$I = P(X_1 < X_2 < X_3 < X_4 < X_5)$$

$$= \int_{-\infty}^{\infty} \int_{X_1}^{\infty} \int_{X_2}^{\infty} \int_{X_3}^{\infty} \int_{X_4}^{\infty} \int_{X_3}^{\infty} \int_{X_4}^{\infty} \int_{X_3}^{\infty} \int_{X_4}^{\infty} \int_{X_3}^{\infty} \int_{X_4}^{\infty} \int_{X_3}^{\infty} \int_{X_4}^{\infty} \int_$$