10. XIY=1	0		
P(XIY=1)	4	34	100
			10181
x l Y ≠ l	0	1	
P(x1Y#1)	1 2	Typt) at-	(N-1)! (N-1)!
		- x3 e-x-xa	n-r
1. PCXi=1 xi	+X++	$x_n=t$) = $\frac{p \cdot C_r}{ar}$	$\frac{1}{p-(1-p)^{n-1}} = \frac{1}{p-1}$
		Xn=+)= - +	1 1457 6 19
Xi X1+X2+		0 1	2 - 3 11-10-
P(Xi x1+X2+		1-5 5	The state of the s
14.(1) /x(x)=]	$\int_{0}^{\infty} \frac{x^3}{2} e^{-x^2}$	$dy = \frac{x^2}{2}e^{-x}$, X>0
fx(x) = 0		William Control of the Control of th	
(2) fr1x(1)x	Annual Control of the	(xe)	x,y>0 Ł₩
	IXC	50.5e-0.5y, y	>0
1118 (717	-0.5) - 4	5中,	-e-go.59
(3) P(Y≥11x	(=0.5)=	[° frix (Y x	=0.5) dy = e-0.5
			3)
15(1)f(x x) = f	w. fv	(x (x/x) = 1+	xy , 0< X(2, 0 < Y<
f(x,y) = 0		1 (11)) ((N/2) ((/C)
$(z) f_{Y}(y) = \int$		1 - 2 1 = 1	0/4/1
		(= 3 + 3 ⁰ ,	02321
fr(y) = 0	· 点(x, x) IIvV	
(3) fxIx (xIy)	= fucy	$\frac{1}{1} > \frac{1+2y}{2+2y}$	0 < x < 2, 0 < y <)
FXIYCXIW	=0、封	THS.	

きx+ fy = ラb2+ fxy (fx(x)= 5, f(x,y)dy = = = + =x , 0 < x < 1 fx(x)=0,其他 $P(X>0.8) = \int$ (2) fxix (x |y) = fcx,y) fycy) = ffcxiy)dx = fy+fi Osys1 fy(y)=0,其他 (3) P(0.65 X 50.8 | Y=0.3) = 50.8 19. (2x+70) dx = 0.874 水: (X,Y)~ N(1,2;3,4;-0,3) $Y|X=2\sim N(3-0.3\cdot \sqrt{2}\cdot (2-1), 0.91\times 4)=N(2.576, 3.64)$ $P(Y<4|X=2)= \frac{7}{4}(\frac{4-2.576}{1})=0.773$