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	No. Date
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·	: P(AB) = P(A) + P(B) - P(AVB) =0.6+0.5-0.7=0.4
	P(AB) = P(A(5-B)) = P(A-AB) = P(A) - P(AB) = 0.6 - 0.4 = 0.
	P(AB) = 1-P(AB) = 1-0,4=0,2
	p(AB) = p(AVB) : 1-p(AVB) = 1-0.7=0.3

		F	3,	2
(2)		9	8.	-la
610 12 64	2 22 2	D路: 10张家作全排37	P1. 104 = 8.504	
20	7	(0 3/k	50.50	
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90	15.7 45.7	6793	3,609	2/99
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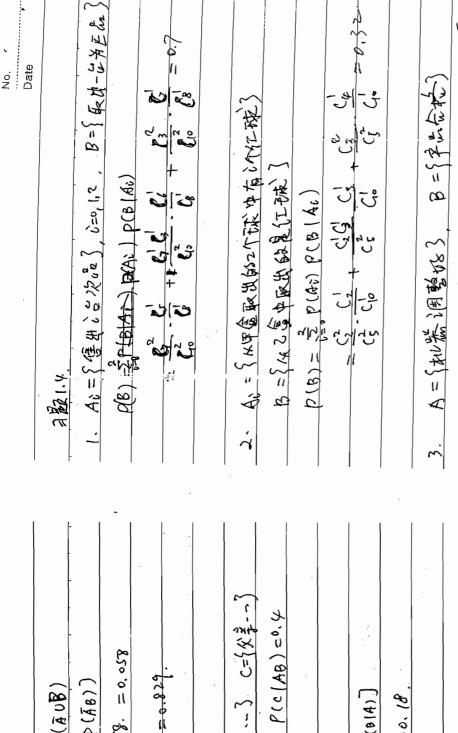
4/2 PAT PA =0,00,0= P(AB) **€** P(B(A) = Pg. Pc2 (00) 9

=== P(AUB)=PCA)+PCB)-P(AB)=0,92+0,93-0,862=0.988.

P(BIA)=0.85 => P(AB)=P(BIA)P(A)=0.25x0.08=0.01

P(AB) = p(B-AB) = p(0)-p(AB) = 0.93-6.068 = 0.862

				8. (1) $\frac{1}{b}$ (3) $p(BA) = p(B-A)$	7. d) 602 = 0.216	Date 6. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
				(3) $p(BA) = p(B-AB) = p(B) - p(AB) = \frac{1}{2} - \frac{1}{2} = \frac{3}{8}$	$(z) \frac{\zeta_{aa}}{\zeta_{aa}} = \emptyset, 2 \xi $	P(A) = 60-45 = 15 1
P(AB) =	5. (1) P(B(A)=	4. P90 P10 P100	3. A={甲在乙華 ト(B/A)=	P(A18) = P(AB) = P(AB) = P(AB)	$2. p(B A) = \frac{p(AB)}{p(A)}$	月殿(.)



8. = 0.058

P(£B))

(AUB)

= 0.829

P(B|A)=0,78, P(B|A)=0,55 P(A)=0,95, 12(A)=0,05

(014)

0. 10

2.9x 55:0+56:0x 86:0 0,98 × 0.95 P(B|A)P(A)+ P(B|A)P(B) (e)d (Wa)d = 0.9713 P(4/8)= 4

P(BIA)=0.3 P(B|A)=0.8 8=《中华四》 p(A(B) = P(B(A) P(A)) P(A)= 5 , P(A)=3 A={轮标准过}

0,8 x 8 + 0,5 x 3 = 0 8145

TINGDU								12 pop (Ai) Pari) 0.365	n	= 0,10×0,20+0,70×0,45+0,70×0,70 =0,365	$d_{\lambda} P(B) = \frac{3}{2}P(BAi) = \frac{8}{2}P(B(A_i)P(A_i)$	日 - くまを到 118年3	5. A;= {到田/2/B; +也+立至了	No. Date	
9	-						u	3. p(AUBUC)	7, 7 (30)	- 1	(3) P(A B) =	(U) P(AB) = P(AB)	त्रहेट (. इ.		

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8-12= 8-14

{1,2, }, 4, 63

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c= { a6(0, \$1), be(0, 1)

3×2 - 4× - - 3

P(AB)=-

18) . ACB STER

(文梅-1年22007)

42}

(1) (1) (1) 20. <u>`</u>~ 12. 6 11 $\left[(1-x)(1-2x) \right]^{2} =$ =1- P(ABCD) =1-P(A) P(B) P(C) P(D) P(AUBUCUP) N 9 (2) 71 11 12 (1-x)(1-2x) = 12/25 0 1- (1-x)2 (1-2x)2 = 626 (c) 54004 p(8) = P(AB+ AB) = p(AB)+ P (AB) P(ABC) = P((ABB)·C) A=5第一次的由区流了, B= (第二次知识区域) P(ABZ) = P(AB-ABC)=0,1-0,03=0,0/ = 0,3-0,88-0.05+0,03=0,2 P(c) - P(Ac) - P(BC) + P(BBC) 00 90 12 P(A) P(B) A) -+ P(B) P(B(A) 27 (2) =1-P(AUBUCUD) B 25.0 3 هـــ =0.0 <u>.</u>7 2 (J (8 | A) P(A (B) = p(A/B) 图~{歌生 = (8 B) = A=\&H

P(618

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As-tA6)

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- P(A, --A6)

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0000 20 525 P (1) P(B) = = P(A) P(B, |A) (1) $p(\bar{s}|A) = \frac{3}{6^2} C_0^{i} (0.35)^{i} (0.65)^{(0-i)}$ # A= 5条介药同数3 A;={袁村自第1个地区} 四、二人家了次抽到院大生了, 了二、二 P(B(A) = 5 C/o (0,25) (0,75) = - - C/0 (0. Dr) (0.75) 10-6 27/2 B={242/3286} (10 j=1,23 3 72.7

· a=7.

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7,--1,0-1X

P(X=k) = 0

X~P(0.8)

D(X2))=1-

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2 p(x=k) =

か、2、1.1.メ

 $p(x=)) = \frac{2}{3}$

X=},4,5

X=0,1,2,

 $\frac{2}{2} = (0 = X) d$

TINGOL

1-P 0 SX61 メン 2 < 7<3 760 1 < x < Z % ≥ ≤ × インメ Ø . S S Date (3) P(2(X63)=F(3)-F(2)=11-4= (2) P(3< X < \(\frac{\infty}{2}\)) = F(\(\frac{5}{2}\)) - F(\(\frac{5}{2}\)) - \(\frac{9}{4}\) - \(\frac{1}{4}\) - \(\frac{1}{4}\) - \(\frac{1}{4}\) ロ(×)コ Q ر بر 2 _; • t 2 < X < 3 $F(X) = \frac{3}{4}$ 62 03 1= (x)-14x<2, F(x) = 4 F(x) = 0 3 6 3 × × 6 ->× \ × 日船とろ 3 · d) =0,99144 +0,0081=0,9995P -2 (2/20 0 0 720 0 0 0 20) = -92800.0=471660-1 =1-P(X=0)-P(X=1)

P(A)=0.06

25 25

14)" =(0,94)

2-m(7)

1-4 7

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P(25x54) = F(4)-F(2)=0.6-0.2=0.4

7(X73) = P(X=4)+P(X=5)=0,5

P(1< X 62) = F(2) - F(1) = 0,5-0.2 = 0,3

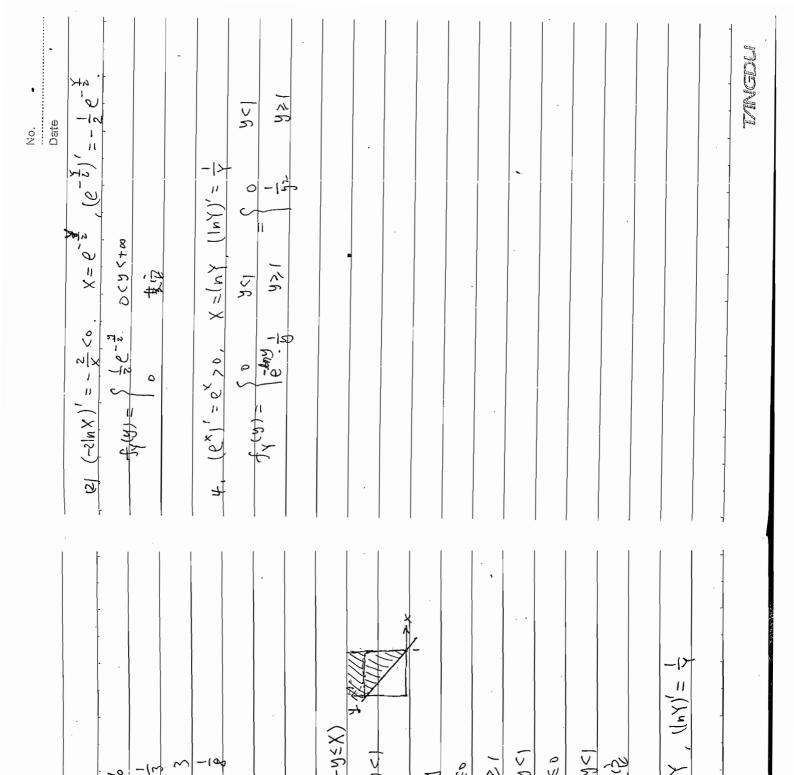
 $\langle x \rangle$

Date 2.0 7.1 (11 0 11) V 2 $p(\chi_{7}() = \frac{\alpha - 1}{2\alpha}$ T(-8) (Z) f(x)=下(x)=(=+=arctanx)= ~(#x) F(8): ·A二六 11 F(K)= 10(-12<x==)=(2 Titre dx = 1 actiox = 3 f(x) = f'(x) =p(-1 < x < 2) = p(x < 2) = F(2) = 1-e-2 Sack) dx A+ 28 =4 A - 18 B = 0 Tacoxdx 10x0 11 (2) [0, Ti] X w1~ =(e-x 0 以 A dx = Aarsins = 17.A :. a=} イマメ M / O メン 711-A 2 -(3) $[0, \frac{3\pi}{5}] \times$ 90 0 1> = p(- 40 <> P=p(XKo. =2 1(50)-P(120<X ≤20 P(Vn = m) = (n~B(n, × (3) 2 Y~ B(5, 2=Fx(0)=

D(X >-1.4)

P(Y>1)

TANCOL



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Date DINCOL 三十二日配2 . d) X=1,2,3,4 (2) X = 1, 2, 3, 4D(X=3) = B F 6 | $P(X=Y) = \frac{p_1^2}{p_1^2}$ P(X=1) = 13 P(X<3) = P(K=0) + P(X=1) + P(X=2) + p(X=3) P(X=3) = $P(X=3) = P(\overline{A_1}\overline{A_2}A_3) = \frac{3}{13} \cdot \frac{2}{13} \cdot \frac{11}{13} = \frac{22}{2197}$ $P(X=4) = P(\overline{A_1}\overline{A_2}A_3) = \frac{3}{13} \cdot \frac{2}{13} \cdot \frac{11}{13} = \frac{2}{2197}$ $p(x=2) = p(\overline{A_1}, A_2) = \frac{1}{13} - \frac{1}{13} = p(\overline{A_1}) p(A_2|\overline{A_1}) = \frac{1}{13}$ P(X=1)=10 P(X=R) =C P (1-8) 7 9.08 0.23 0.34 0.26 × = 860×200+ 860×200+ 860×200+ 860 == w o 2 3 4 169 297 297 w]} 286 €3 2/4 F 100 800 5 5 00 4. 1) P(X=Y) = b) P(Y<X)= 11 54 = 70 (2) X: 10 x/2 6 11 KM SK (0.6) = 0.025272-9 Laze o = = (S)(S)2 = 0,001728+ = (; (0.7) (0.3) =0,243 P(x33)=1-14 KM 174 二、有区份百 + (2 (0.7)2 +6(0.7)1

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$$\frac{\log_{10}}{\log_{10}}$$

$$\frac{10}{4} \frac{1^{16} \Gamma_{1}(x \times x_{1}^{2}) - |\pi|_{1}}{\Gamma_{1}(x \times x_{2}^{2}) - |\pi|_{1}} = \frac{3}{4} + 2x_{2}^{2} - \frac{4}{4}x_{3}^{2} - \frac{1}{4} = \frac{6^{2}}{4^{2}} = \frac{7}{4^{2}} = \frac{1}{4^{2}} = \frac{1}{4^{$$

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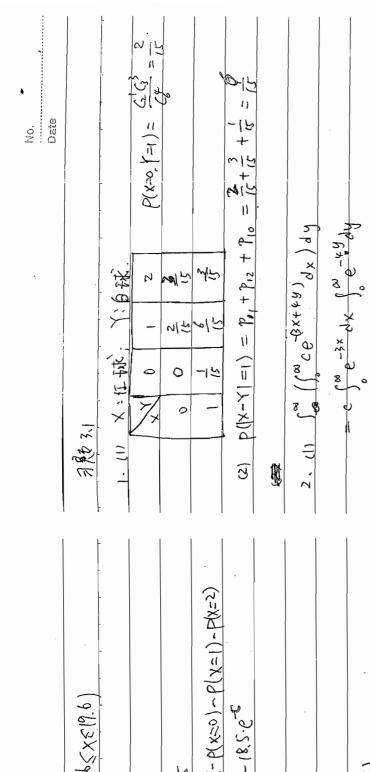
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Ž0. P LICOLAGI @ C=/4=3 P(X>1)=1-P(X=0) 火: 7年5台对值不超过30m的次和、~B(3,P) =[0.9938- 0.6915]= 0.6977 b= b(-30< x <30) = b(-20 < 4) P(x>3) = P(x=2>0) =0.5 秋~下(4): 4>0: Fx(y)= P(Y=b) = P(1x1 < y2 二重(中)-[1-至(年)]-至(中)+至(百)-1 1564,0-1-54680 + 686500= fx(y) = f'(y) = (4) 4(y2) \$ y>0 =1-(3 (0.4931) (\$-0,4931) =1-0.13 =0.87 = 2 D(y2) -1 y < 0. Fx(4) >0 750 Y50 E A,= \ X < 20 Pr = P(A) = : 大(4)= 下(4) B=0.2×19 B=1-P,-P(B)= 5 FY(Y): P(A2 | B) = B: 7/4 =P(x-22

1/0



- (8,5.et

65×5(9.6)

INCEDIA $F(\varrho z, l.s) = P(\chi \leqslant \varrho, z, \chi \leqslant l.s) = \rho_0 = \frac{2}{r^2}$

F(-1,0) = P(X <-1, Y <0) = 0

 $= 12 \left(-\frac{1}{3} e^{-3x} \Big|_{0}^{1} \right) \cdot \left(-\frac{1}{4} e^{-4x} \Big|_{0}^{2} \right) = (9 - e^{-3}) \left((-e^{-8}) \right)$

=10, e-3×dx (2 e-44 dy

(2) P (05x<1, 05Y<2)

シーン い

 $= C \cdot \left(\frac{1}{3}e^{-3x}\right)^{\omega} \left(-\frac{1}{4}e^{-xy}\right)^{\omega} = \frac{C}{(2)} = 1$

X, y > 0

 $F(x,y) = \{ (1-e^{-3x})(1-e^{-ky}) \}$

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(C)

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2.5

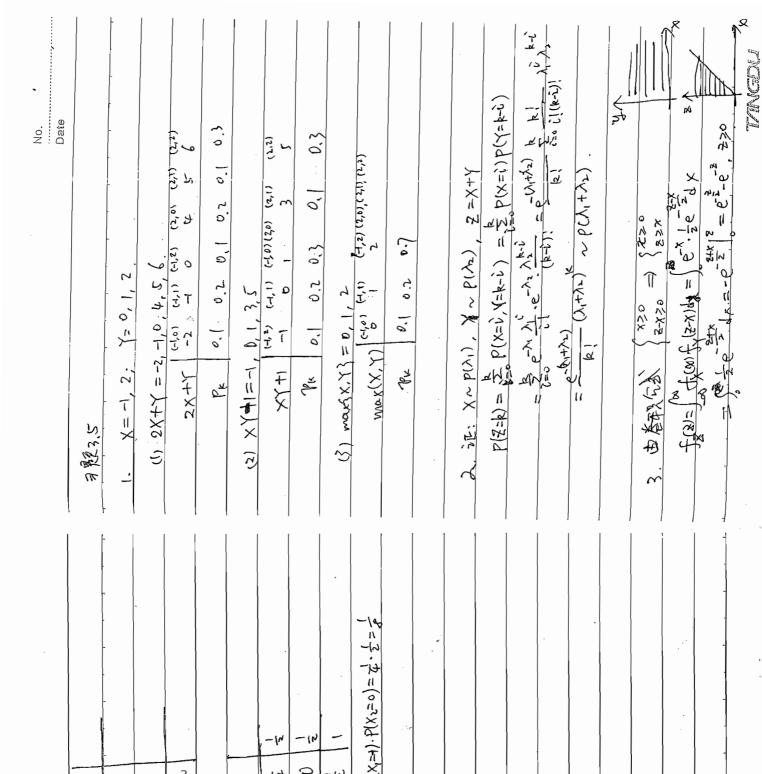
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1 2 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	-66	% - X	117	4 0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		大文学校、即有f(x,y)=fxの)-fx(s), (2)/文学校	情P=0,即引起以的二大(以行的)、显然、大和丫系之之。	5x(x) = (-2(x-x))2 , f(y) = 12762 exp{-2	1. Q(x, A)= 1-62 exb{-x(1-b2) (x-1) = xb(x-1) = xpx (x-1) = xpx (No.
	: fx(n) - fy	50	f(4)=(2-4	3''	`` P ₁ , P ₁		4,	(g) } f(x,y)-	= ((()) = (()) = (()) = (()) = (()) = () ()	



20 Dag 0 ンケおグク 11 **スツメン** 1326 50 V 11 05451 (3-2) (m) fx (y2). fx (y) dy 252 727 ×p((x-5)+x) dx w)--25 26 Ap. f. = (x+(2-x))dx ₹(X+(Z+N) dx 0530 2508353 18581 42 (>%>0 3-1 <x <3 6/26 12270 187 6(50 0 シメシレ 6/50 37 650 038851 052 M 2000 15882 K 5.2 0 < y < (5 5yEo 200 (\$t) V20 (3) 虚联: Ch 茶酸: F=(3) = P(fu(+)= Fm (*) = (4)(M)d E T P(M >(2) Fu(t) = 1:

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= P1

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Date	3 - 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2, $f(x,y) = \frac{\partial F(x,y)}{\partial x} = \frac{\partial F(x,y)}{\partial y} = \frac{\partial F(x,y)}{\partial x} =$	5.4) \$ 2 5 4 6.4 0.05 0.12 0.03 0.8 1 4.0 20 0.05 0.03 0.2 1 2.0 0.02 0.03 0.2 1 2.0 0.05 0.05 0.05 1 2.0 0.05 1
	12-12-5 x x x x x x x x x x x x x x x x x x x	₹ (2- π-M)}	

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Date * $\dot{\sim}$ 6. (1) f(x.4)=fx(x)-tx(4)= (で) 当十らり三1日本 日 13×30 年 (1) fx1x(x(y) - f(x, y) f(x(x)= +(x(x)) = こまないりきまない、よりといことをとなる代立 13 4-9 (2-41 - X-1) dx = 41-3- , - 6-4 61 $\int_{X} (x) = \int_{x} |y|^{2} dx = \frac{1}{2} \int_{x} |$ f(x)= for (x,y)dy = fd = 2x, ofxel : チ(以)ナチ(以)・ナ(な): メラアでるます fy(1)= (f(x,0) dx = () dx = 1-9 , ocas = 3x(2-x)-2x = 4x-3x2, 05x51 20 25 O) | - | u 51 =1+4 -18460 51--Xcycx 06x61, 9>0 else Use ોક્ટ 12××14 P (Z) (1) f(x,y)-P(5<x)= メナーノヘスへん = (x) x =X |0< }]Z TYIX (1) (7)

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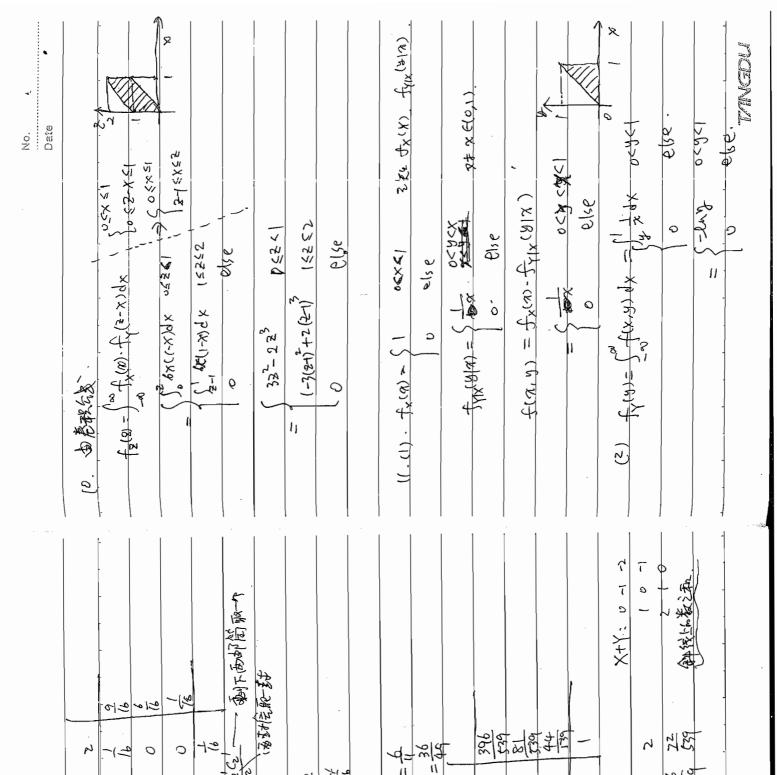
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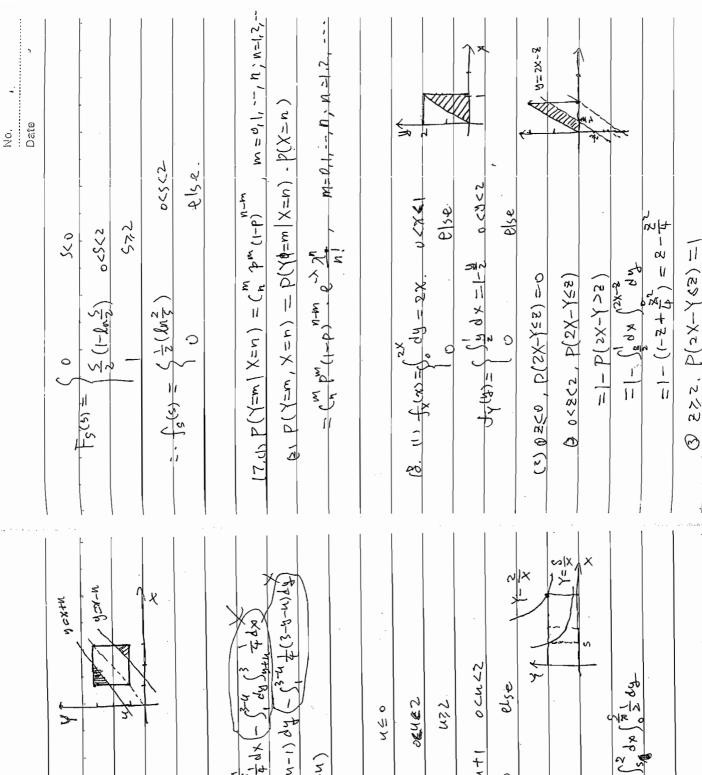
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Date 권) 8 DISCOL // : fx(x)-fx(y) + f(x,y) P(X+Y>1 $\int_{\mathcal{Z}}(z) = \int_{-\infty}^{\infty} \int (x, 2\pi) dx =$ 11 大(2水ー)ウメニールルン、 11 be-x | . e-v | = b(1- =) Ħ []) dy [be-(x+4) dx = Ap 3 (A+X) = 1) 8-225 1 = (4-1) e-y c 2(4-1)e-x 0 6-1 e 0 * N 2150 038 (x-2+x)- (x-2+x)2 (x-2+x)-三、X5Y不安東立 8/50 0 < P 690 * 46-4 (1 <u>~</u> 4 = F₀(u) = f>(4)=f>((1)() x=h(x)= 文章XX女文 , 人 水点、

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Date No. ā 14) = (B) x f -: F(9=P(x258) = P(-155XM) 下(=,4)=F(-=,+0)=Fx(-=)=(= dx -(*) 5 550, Fx(8)=0, カングンの max (-1, -Ny)) 50 2 dx + 50 4 dx 5+479 (0 fdx + (M) f dx €}-|1 7-4 2 8 10 1 m 1>5>0 to>631 min (org, 2) 124, Fx(5)=1 02451 45954 27870 else 500 8/58 2>3>0 263 12620 (54-6 13 2 -

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ρ(x>2Y

X-2>0

> X > 0

=-0.2

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W+R=x W- 8:5 8 4 - 5 Aug + ×K (4+4) /e 11

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(= e-xxdx

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=-16-3x |8

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= -16-x (x

(1) =1-P(120)-(21)

~ B(4, P)

2(00) (1.0)0

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EY = E(2x) = (2x e -x dx = -2x e x / 2 +)

Date MODI 10 4 TO 14 D= (15X) = (+x)dx = (20-24x= 1-8-2 丫:工厂信出一个产品的海底和. EY= 100xe4 = 300 (1-64) = 400xe4 (0) -200 1-64 300 2.力效化 1. d) EX=-2 注册: E[(X-a)] の) サ(メノナジン U) b(2x-3)= (3) D(JOX-5 EX=(\$ \$) 经成立当日 $E(X^2) = \int_{-\infty}^{\infty}$ EX- 1xo,4 DX=49-2 -5.3 = XA : DX= E E \= 1x0.2 EX= EY,

(B DXXD)

E(x2) = 4

DX 二日

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	23.07 4 S.
あい。 で対すよう。	x/x 1 2 3
13,626	1 0 1 1 1
	2 4 0 1 2
	3 4 6 0 3
	3 3 1
11 5 400 + 30'240=443'440	$E(x) = E(Y) = (1+2+3)^{-1} = 2$
25 - 25 120 + 20 + 21 /20 - 24 /20	xx 2 3 6
x8.45 = 1695 440	px 3 3 3
120 = 7.875	$E(XY) = (2 + 3 + 6) \frac{1}{3} = \frac{11}{3}$
-62.0156 21.9761	$(\omega(X,Y) = E(XY) - E(X)E(Y) = \frac{1}{3} - \psi = -\frac{1}{3}$
	(?
	2. 4, XY 4 0 1
= 2 FX+35XEYE3 - 152+5	Px 4 2 4
-15+[-2]	E(x/)=(1)x4+0x2+1x4=0
20+ 10x+xab	$\lambda : E(\chi) = E(\chi) = 0$.
152-	こ、(00(ス,省)=巨(メリ)- 民(日代)=つ。
<i>a</i>	$(x_{X} = \frac{(oV(X, Y))}{(oV(X, Y))} = 0$
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 : 1. 1. 1. 2 x 3 = 9 + P. = 5
2 (5./ 2)	,

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:. X5\ RX \ Z

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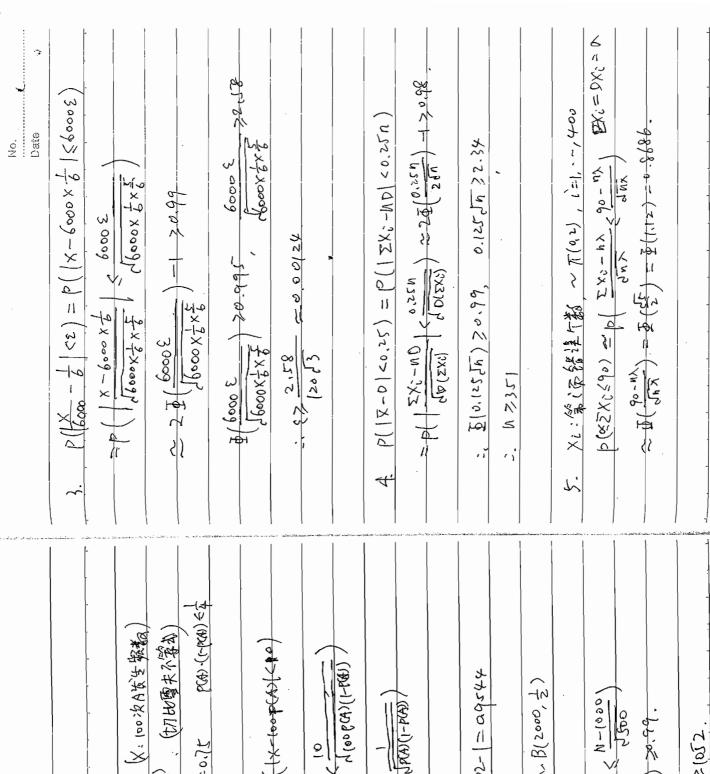
=0.45 + (0.5) = \$ 2

(=)

Date P 75119: +xx)= 3-300, E(XY)= 11xy = dxy -1年 txの)・tx(の)をするいのし、いメライズのます : (xx,10, 当 火气气气到水 「大(x)=)をもいはくナけのではニーをcon(x+な) $\Xi(x) = \int_0^{\pi} x \cdot \dot{z}(\omega x + x^i x) dx = 0$ 间地的一系 E(x2) = (2 x2 (cox+20x) dx = x2 + 2-2 ンロX=でx)-(EX)~= はナジーレ (BY WAY - - X CX (+ 1) 200 X 0 + 1 2 - 7 (おといれるナーをかって) ころうとないとはとり でして)= XCOOX dx = X21,xx = - (= 50,xx) = = 0-1 E MANNEX = - 200x (++) COXOX = メダイスが高大 M-X2 Tob = 7 Cl-X2 4 4 4 = The Kong Cong To The King To 1 3 de 8 =0 上方的小 066 TVXVI 656 الم (a/(X, Y) =) (x-1 19-3系限 DX1 100 (o U (X 1 ,) DY = D(=- (OU (X) 11 0 mm 0 mm 一つ(事

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(A)(1-P(A))/

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