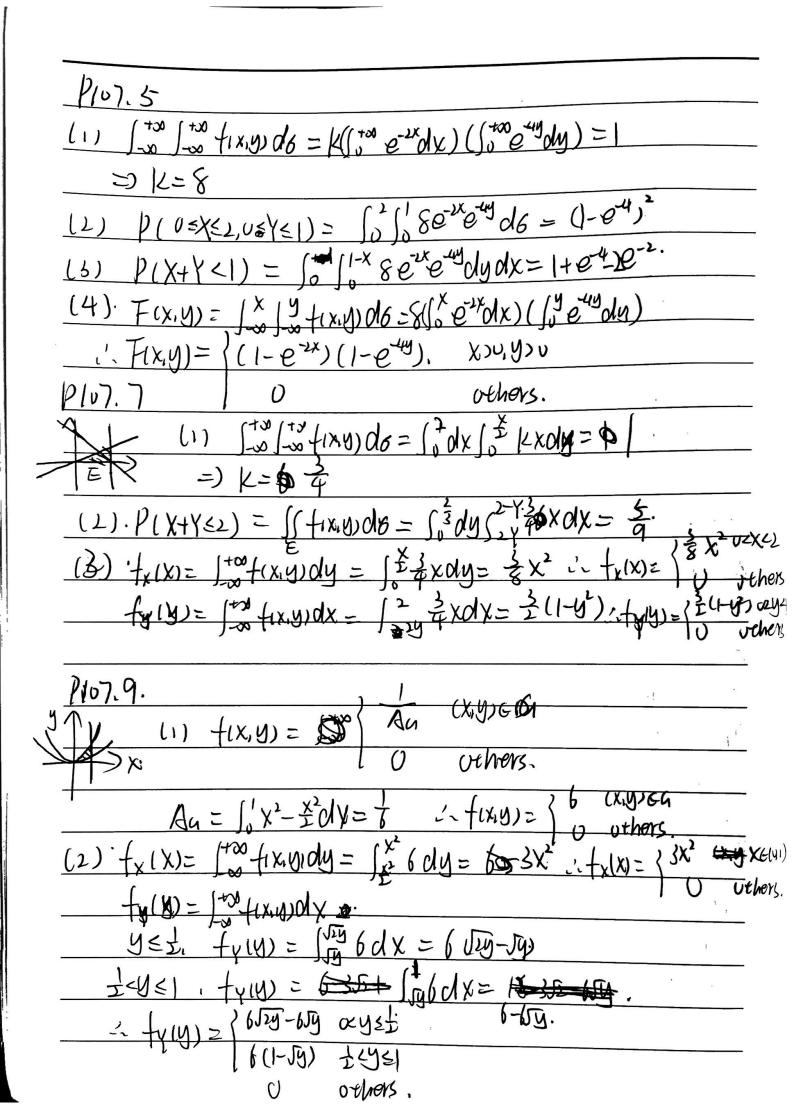


```
P [ Y ( Y < y ) = P( 3-2X < y ) = P( X > 5-y )
                                           =1-P(X $型)
1, Fry)= 1- Fx(学)+Fx(学)-Fx(学の=1-1/(Xc学)+P(X=学)
          =1-天(望-0)
1268. 46
            F(X) = P(XEX)= P(\fant \le X
    to(A)= { $\frac{1}{17}} 0 ≤ \text{\text{\text{$\sigma$}}} 2. \quad \text{$\text{$\sigma$}} \( \text{\text{$\text{$\sigma$}}} \)
                             P(6< arctan 2)=
          P(ant ex) = P(Titarctunをeの)=[-下(Titurccunを)
 X700f PLant EX)= Pto P( <0 < 1) + P(126 < 17)
                     = 1- = arctunt
```

孙小 P(X <X \le x+6x) = KOX = F(X+0x)-F(X) K·a=, F(a)-F(0)=1, F(0)=0 : k=a X~P(5)., P(X=K)=e-x 2k B={梅敏]. A二人为次感别 P(B)= 4 P(X=K|B)=e-5-5 ₩3. p(1x-M1~6)=2至(1)-1· 治定益 上温 SA 4. P(x)= c YETU, 2] P(Y&y)= P(X&y) = F(y) = YECUL 2. Y是料准级型-

```
V~N(120,22) 记的A={落在118,12226}
1. P(A)= 1-P(118=V=12)= 1-P(122)+P(118)=1- 1-1(122-120)+1(118-120)
       = 2(1-101)= 0.3128
   Y=?Y次查A?. ハY~B(5,P(A))
    P(Y=2)= (= P(A) (1-P(A))3 = 0-22 (13/8
Plub 3.
li) P(X=i, Y=j) =
                         iti.
        1. P(X=1.Y=1)= 7
   n=3.
                  +x(X)=
             (0,1), (1,1), (1,-1), (2-1).
    Y=0, Y==1)=P(X<0)=P(X<0)= [ +dx=
                P(X=0)=0
 P(Y=1, Y=1)= P(o<x<1)= [1/2dx=
   (Y_1 = 1, Y_2 = 1) = (X \ge 1) = \int_{-1}^{2} \frac{1}{3} dX = \frac{1}{3}
 P(Y2=1)= = } P(Y2=-1)= =
```



孙 X=(总数为备). (=(总数为6). X~B(3, ±) Y~B(X, 壹). (1) \$\(\lambda,\lambda\) = \(\lambda,\lambda\),(\lambda\),(\lambd P(X=0, Y=0) = P(X=0) P(Y=01 x=0)= 3 P(X=1, Y=U)=P(X=1)P(Y=U|X=1)=(3 ± -12 · C3 = 4 P(X=1, Yzu) = P(X=2) P(Y=U|X=2)= (3 = 3 Co = = + P(X=1, Y=1)=P(X=1)P(Y=1 | X=2)= C3 = C3 = C4 = = = + P(X=1,Y=2)=は引は変加P(X=3,Y=0)=引音= P(X=3, Y=3)= 13. 13= 1

XY 0 1 2 3	
0 1000	1
6 6 17 0	
3 1/8 3/11	1 \
(2). P(Y=0)=0.58. P(Y=1)=0.35.	
PCY=2)= U.06 PCY=3)= U.0046	i
13) P(X>Y)= 4++++++++++++++++++++++++++++++++++++	
(3) 10 K2 () = 49 (7 67 15 18 13 = 00 1	
,	
	1
	,
r	
	1 (*)
I .	