概制化与数理统计 第六次作业 张钟冠 211012082 11) EBAR, 10) 1970, P/1/4-0/2= E) mare 1/8 1/1- P(-EE 1/4 EE) 取りにはままり、有一だら一方を発を与をというしていまりこの井 1 取整行 4410 (b) P(Yn=-1)=0, P(Yn=1)=0 :. P(|Yn-0|=E)=HP(-E = Xn* = E)=|-P(|Xn|* = E) E, 取 n=Lbg|xmlを]+1,有 |xml" cを, P(1xm·0)=を)=0,# (c) \$130A ben, I nest, P(1Yn-1/28) = 0 < 8 |Yn-1| = 1-Yn = E => Yn = 1-E => Mex X1 E1-E, X2 =1-E -... Xn = 1-E 1. P(|Yn-1/2E) = (2-E)" = (1- E)" 取 n= Llog(1-4)(5)]+1 > Lg(1-4)(5) 有 (1-至)2 c 5# (2) (a) 4(1) = / e 11 × (= e - a) / dx = - 119. : EI(x) = + +1(0) = - + +1(0) = - + + all 1 = - + + all 2 = - + all 2 = - + all 2 = - + + all 2 = - $E_1(X') = \frac{1}{i^2} 4''_1(0) = 8\frac{2}{a^2}$ = = = = e - at : Ez (x)= +410)= - = ai $E_{L}(x') = \frac{1}{12}Y_{*}^{*}(0) = \frac{1}{12} = \frac{1}{12$ (3) (a) |im E (Yn) = limth · n2 + (1-in) · 0) = lim n = +0 [6) 它你担笔收红, 极极为 0 4を70. P(1/m-01=を) 三十 n2か; カンロ Y= ? ~ Co (A. W) = (AL) y = - II + (AT + (A) + (多户二文,在户的处系部原形. Z~ N(L, 1) Y 铅化的放为 11一盐)-d 飞铅征函数为 exp(历十一些) = 1+ 市 + + o(P) = 1+iな++0は) 11-盐)-d= 1+方十七以》=1+1万十七以) :.当山十四时 Y-天力,同时作度是代格 Y=Y-石, 芒之石 二个依有在收款到 N10.1)

15) (a)
$$Y(\chi) = \int_{-\infty}^{\infty} e^{i\chi \chi} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2 + |\lambda - \mu|^2} d\chi = \int_{\lambda^2 + |\lambda - \mu|^2}^{\lambda^2$$

(b)
$$P(x) = P(y) = \frac{1}{4}$$
. $\frac{1}{x^2+1}$
 $f(x+y)(x) = E(e^{-(x+y)}) = \int_{-\infty}^{\infty} e^{-(x+y)} \frac{1}{4} \frac{1}{x^2+1} = \int_{-\infty}^{\infty} e^{-(x+y)} \frac{1}{4} \frac{1}{x$

- (c) 中方(Mt~+Km) (+)= (+) + (+) + (+) (+) + (+) = e 5|11 = e 1|11 = 1|11 = e 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|11 = 1|1
- (6) Ym 不依据收敛,图 m) s r f f l xn x | z | X | z | X | z | X | z | X | z | X | z | X | z | X | xn x | z | x | xn x | z | x | xn x | x
- (7) 不能,可从取 Xn 从10,10,10, Yn 从10,10, Xn 二一Yn 例 Xn, Yn 的 依有在收达到 N10,10 但 Xt Y 引放放到 0

生加与加加力效的、则加热收收到XXX