10. 11) X ~ E(入) · E(x)= 六 , 5°(x)= 元 5 (x) = 10x2 (2) $E(X_{(1)}) = \frac{1}{10}E(X) = \frac{1}{10}$ S'(Xu) = 105(X) = 100x2 11. Xn+1 ~ N(0,1) $X \sim N(u, \frac{6^2}{n}) = N(0, \frac{1}{8})$ 1 Y = 18. Xn+1-X $\sim t(1+8-2) = t(7)$ 12.匙在最后 ₹_~ N(u, €2)

13.
$$\frac{5}{5} = \frac{5}{5}$$
 = $\sim F(6,6)$. $\frac{5}{5}$ $\sim F(6,6)$ = 0.05 . $\frac{5}{5}$ $\sim \frac{5}{5}$ $\sim \frac{5}{5}$

$$\frac{14}{2} \chi_{i}^{2} = 5 (n_{i}-1) S_{i}^{2}$$

$$\frac{14}{2} \chi_{i}^{2} = (n_{2}-1) S_{2}^{2}$$

$$\frac{14}{2} \chi_{i}^{$$

$$rac{1}{1} = f(s, k) \frac{(1) - (0, 1)}{1}$$

$$\frac{(2)^{2}}{6i^{2}} \sim \chi^{2}(4)^{2} \frac{85i^{2}}{62^{2}} \sim \chi^{2}(8)$$

$$\frac{45i^{2}}{6i^{2}} + \frac{85i^{2}}{62^{2}} \sim \chi^{2}(12)$$

$$R = \frac{X-Y}{2}$$