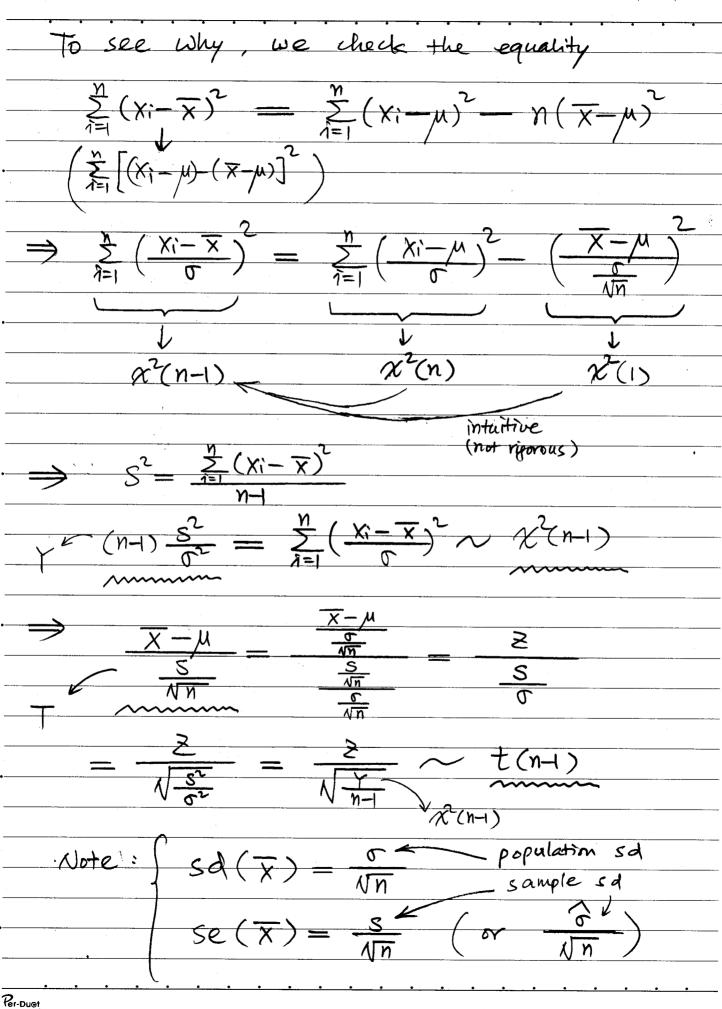
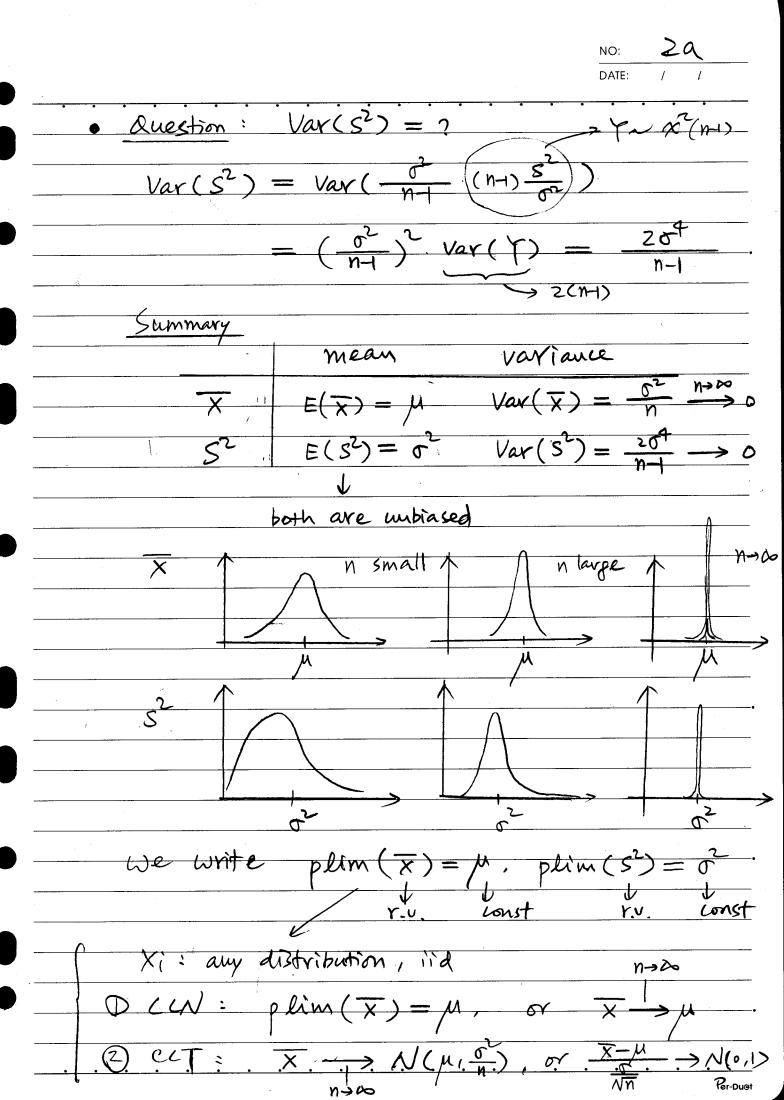
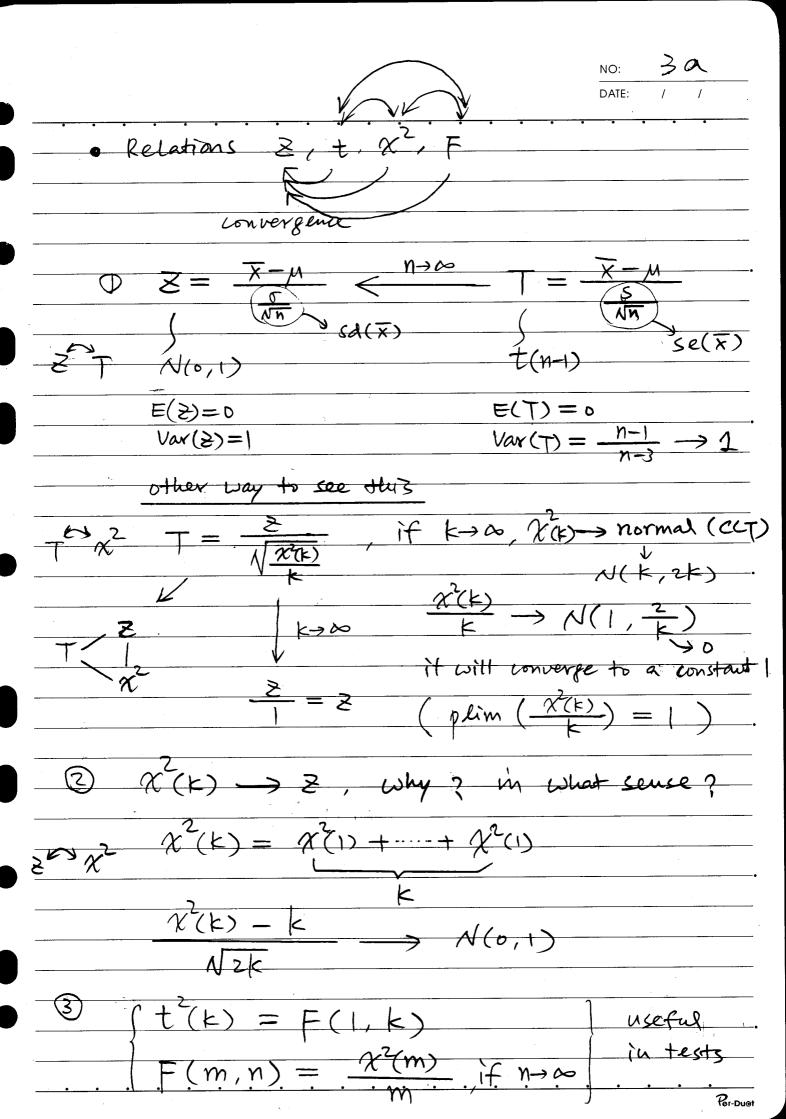


NO:	F	b	
DATE:	1		







+o see why, think
$$F(1,k) = \frac{\chi^{2}(1)}{\chi^{2}(k)} = \frac{z^{2}}{(\sqrt{\chi^{2}(k)})^{2}}$$

$$= \left(\frac{2}{\sqrt{\frac{x(k)}{k}}}\right)^2 = \left(\frac{1}{1}(k)\right)^2$$

$$F(m,n) = \frac{x^{2}(m)}{m} \xrightarrow{n \to \infty} \frac{x^{2}(m)}{m}$$

$$earlier$$

$$we saw plim $(x^{2}(n)) = 1$$$

$$\frac{\chi^2(m)}{m} \xrightarrow{m \to \infty} \mathcal{N}(1, \frac{2}{m}) \to 1$$

06

$$t(n) \xrightarrow{N \to \infty} N(o(1))$$

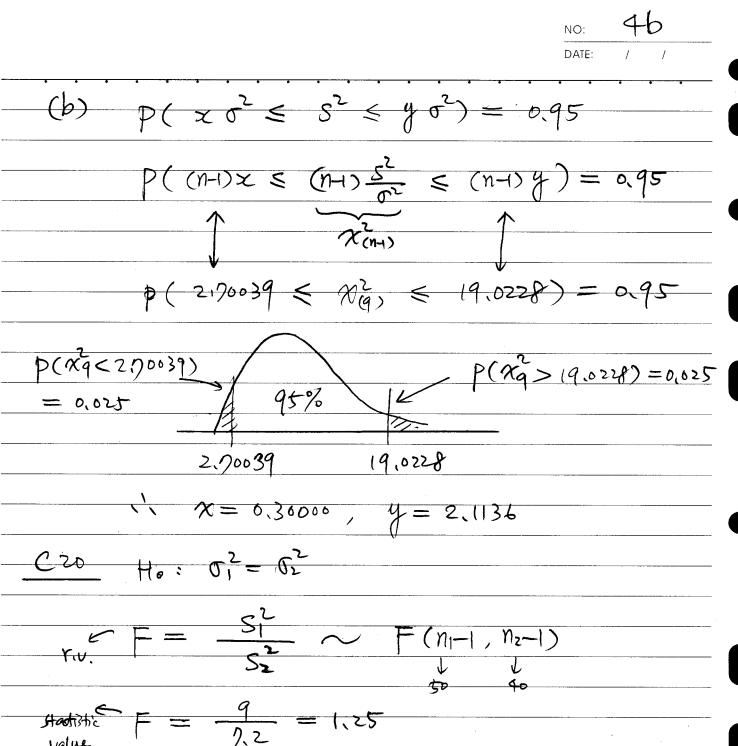
$$\chi^2(n) \xrightarrow{n \to \infty} \lambda(n, 2n)$$

$$\left(\frac{\chi(n)}{n} \longrightarrow \mathcal{N}(1, \frac{2}{n})\right)$$

$$F(m,n) \xrightarrow{N\to\infty} \frac{\chi^2(m)}{m} \xrightarrow{m\to\infty} \mathcal{N}(1,\frac{2}{m})$$

52 greater . than 52 . by. 63%.

Per-Duet



Þ(F>1,25) = 0,2371

 $\frac{C24}{m + (m,n)} = \chi^2(m) + n \rightarrow \infty$

choose d = 0,05

critical values $\chi_{(10)} = 18.3070$, $F_{(10,10)}$, $F_{(10,20)}$, $F_{(10,60)}$ We see $10 F_{(10,1)} \rightarrow \chi_{(10)}^2$

Per-Duet