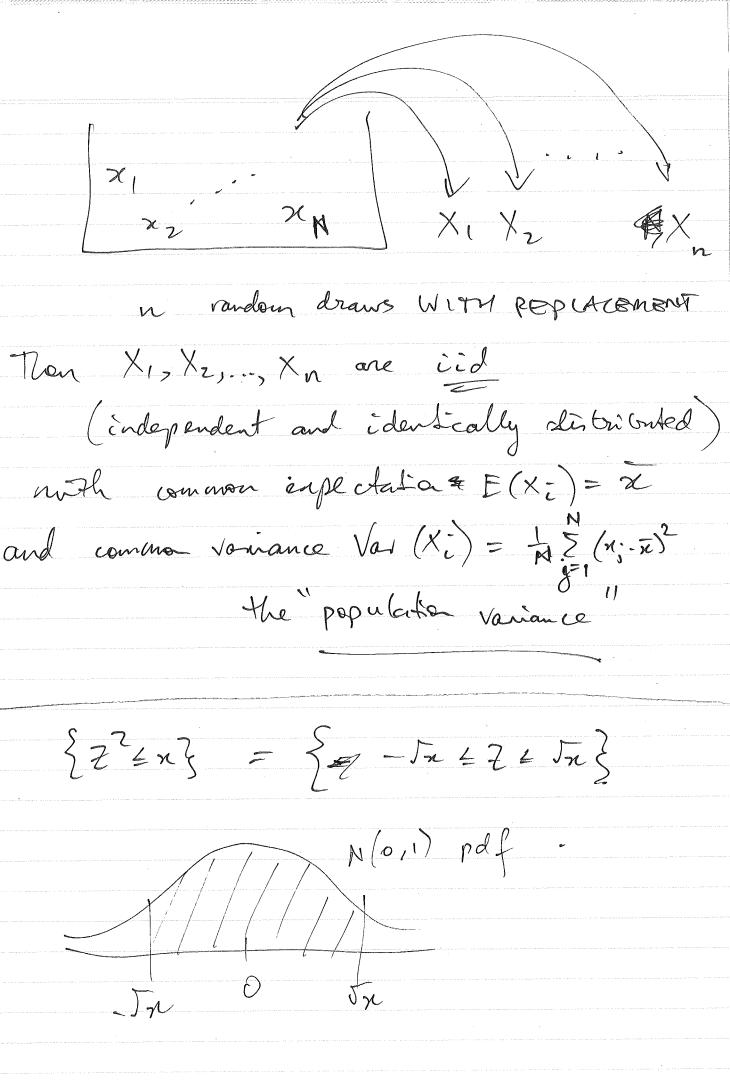
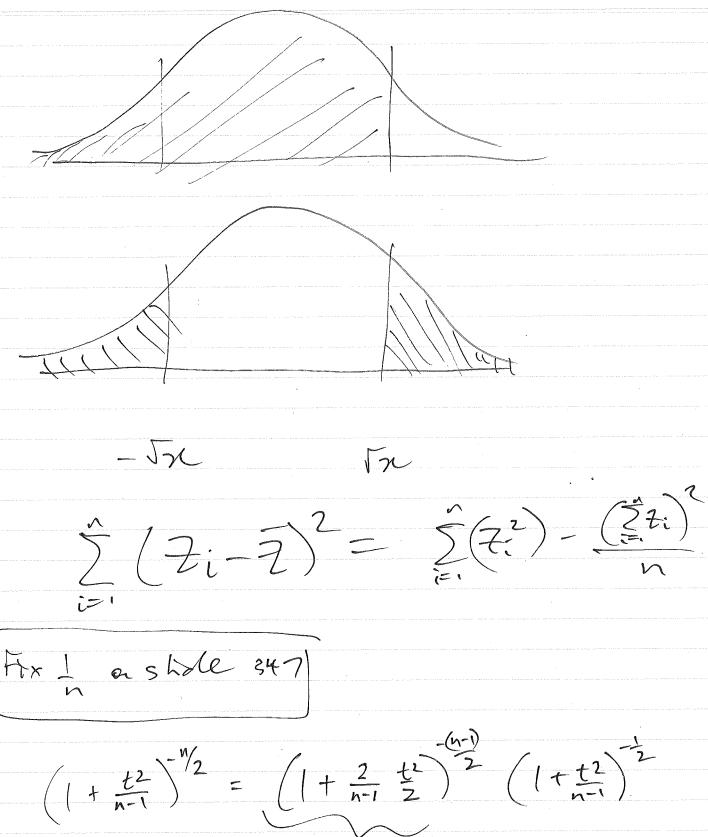
Let x, x3, x SINGLE RANDOM DRAW be a population The distribution of X is given by $E(x) = \sum_{n} x P(x=x) = \sum_{i=1}^{N} x_i \cdot 1 = \overline{x}$ = average of no.s in box. $\sqrt{\alpha i(X)} = \sum_{x} (x-\mu)^{2} P(X=x) \quad \text{where } \mu = \bar{x} = E(X)$ $= E\left[(X-\mu)^{2}\right]$ $= \sum_{i=1}^{N} (x_i - \bar{x})^2 L = L \sum_{i=1}^{N} (x_i - \bar{x})^2$ l'opulation variance of

numbers in the box.





 $-\frac{t^{2}}{-2e}$ $\left(1+\frac{2}{N}\right)-2e$