Quing 1 (Panytt igjen jal.

## Oppgave 1 a)

Sann verdi = torvatningsverdi = 10
Feil = 2, stohnstitue, normalfordelte, type A.

- b) · Histogram
  - · QQ-p6+
  - · Shapro-Will test Cowfest)
  - · ADtest.
- c) Den mest sannsynlige "sanne" verdien: målingene er forventningsverdam. Snittet.
- $N_{\infty} \notin \left[ m_{x} \pm t_{p} \int_{\overline{n}}^{S_{x}} \right], \quad m_{x} = \frac{1}{n} \underbrace{\sum_{i=1}^{N} x_{i}}_{Z=1}$   $N_{\infty} \notin \left[ m_{x} \pm t_{p} \int_{\overline{n}}^{S_{x}} \right], \quad N_{x} = \int_{N-1}^{1} \underbrace{\sum_{i=1}^{N} (x_{i} m_{x})^{2}}_{Z=1}$   $N_{\infty} \notin \left[ m_{x} \pm t_{p} \int_{\overline{n}}^{S_{x}} \right], \quad N_{x} = \int_{N-1}^{1} \underbrace{\sum_{i=1}^{N} (x_{i} m_{x})^{2}}_{Z=1}$   $N_{\infty} \notin \left[ m_{x} \pm t_{p} \int_{\overline{n}}^{S_{x}} \right], \quad N_{x} = \int_{N-1}^{1} \underbrace{\sum_{i=1}^{N} (x_{i} m_{x})^{2}}_{Z=1}$
- Oppgare 2 a)  $A = \mathbf{B} + (, \mathbf{B} \in \mathcal{N}_{\mathbf{B}} \pm \sigma_{\mathbf{B}}, \mathbf{C} \in \mathcal{N}_{\mathbf{C}} \pm \sigma_{\mathbf{C}}, \sigma_{\mathbf{A}}^{2} = \sigma_{\mathbf{B}}^{2} + \sigma_{\mathbf{C}}^{2} \Rightarrow \sigma_{\mathbf{A}} = \sqrt{\sigma_{\mathbf{B}}^{2} + \sigma_{\mathbf{C}}^{2}}$
- d)  $O_A = \int O_B^2 + O_C^2 = \int (\frac{b-3}{3}) + (\frac{b-6}{3})$

Oppgare 4 a)

b) 
$$m_{xm} = 3.55$$
,  $m_{xm} = 4.153$ ,  $S_{7,m} = 0.115$ ,  $S_{7,m} = 0.0321$   
 $S_{x} = -- = 0.1112$