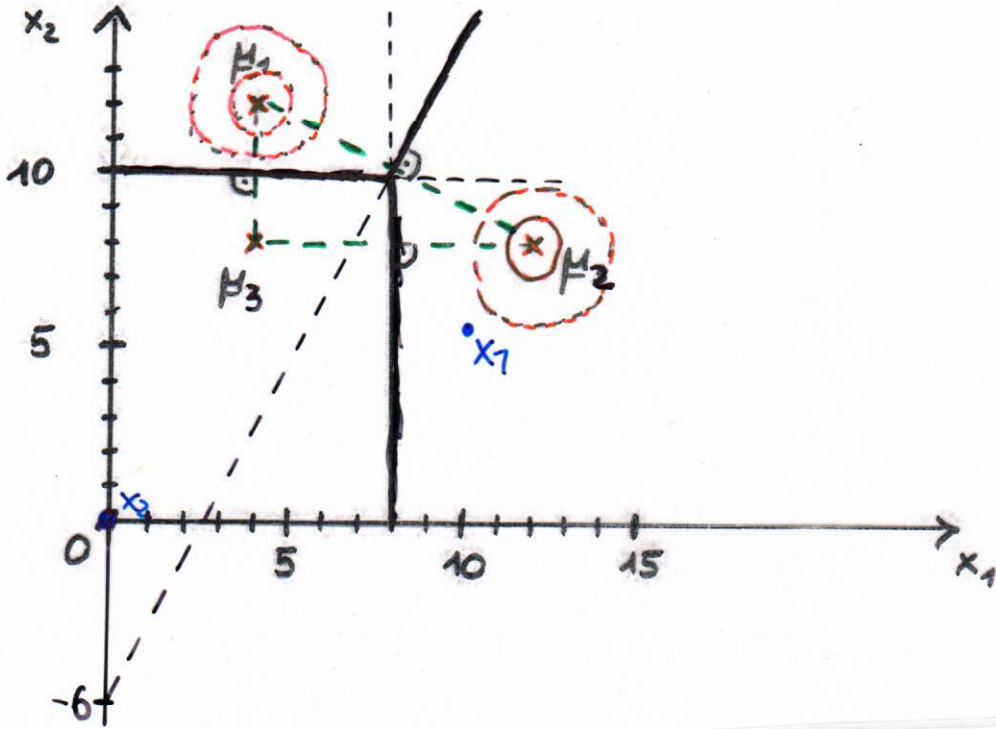


(a)  $\underline{X} | Y=i \sim N_2(\underline{\mu}_i, \underline{\Sigma})$



(b)  $\underline{X} | Y=i \sim N_2(\underline{\mu}_i, \begin{pmatrix} 5 & 0 \\ 0 & 10 \end{pmatrix})$

