6. 
$$P(K_1...X_n | \sigma_j L_i) = \prod_{j=1}^{n} \frac{1}{\sigma \sqrt{2\pi}} \exp\left(-\frac{1}{2} \left(\frac{X_1 - L_i}{\sigma}\right)^2\right)$$

Workshown  $M_{map}$ :

 $P(M_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{M_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{M_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right) + \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right)$ 
 $P(M_i, \sigma_i) = \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{2} \left(\frac{K_i - L_i}{\sigma}\right)^2\right) + \frac{1}{F_i} \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{g_i} \frac{1}{g_i} + \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{g_i} \frac{1}{g_i} + \frac{1}{g_i} \frac{1}{g_i} + \frac{1}{g_i} \frac{1}{g_i} + \frac{1}{g_i} \frac{1}{g_i} \exp\left(-\frac{1}{g_i} \frac{1}{g_i} + \frac{1}{g_i} \frac{1}$