4.2) * 00 : class,

$$f(y \mid k, n) = \frac{1}{\Gamma(k)} \left(\frac{k}{m}\right)^{k} + \frac{1}{e^{-k}} - \frac{kt}{n}$$

$$exp \left[k l_{0}, k - k l_{0}(n) + (k-i) l_{0}, y - \frac{ky}{n} \right]$$

$$\theta = -\frac{1}{n} \qquad \theta = \frac{1}{k}$$

$$b(\theta_{i}) = -l_{0}, (n) = -l_{0}, (-\frac{1}{\theta}) = -l_{0}, (0)$$

$$b'(\theta_{i}) = -\frac{1}{\theta} = m$$

4.3)

$$f(y \mid v) = \frac{\Gamma(\frac{v+1}{n})}{\Gamma(v-1)} \left(1 + \frac{y^{k}}{v}\right) + l_{0}, (x)$$

$$= exp \left[-\frac{v+1}{n} \cdot l_{0}, (1 + \frac{y^{k}}{v}) + l_{0}, (x) \right]$$

Inperior to rewith this as

y. 6 for some forther of vo