$$(7-2) d) \frac{1}{n} \sum_{i=1}^{n} \chi_{i} \sim p(\chi)$$

Ro UNT Agnynoba:

$$\frac{1}{h} \sum_{i=1}^{n} \mathcal{G}_{i} - \mathcal{U}_{i} \mathcal{G}_{j}$$

$$\int_{\mathcal{D}_{i}} \mathcal{D}_{i} \mathcal{G}_{j}$$

$$\int_{\mathcal{X}_{i}} \mathcal{D}_{i} \mathcal{G}_{j}$$

$$\frac{\lambda - \lambda}{\sqrt{\pi}} \sqrt{n} \qquad \gamma N(0, 1)$$

$$b = 1$$

$$b' = \frac{n}{b}$$

$$J = \lambda b$$

$$J = \lambda b$$

(2):
$$C_{n}^{1} P(g \in [x, x+\Delta x)) = h \cdot f(x) \Delta x$$

(4): $C_{n-1}^{1} P(g \in [y, y+\Delta x)) = (h-1) \cdot f(y) \Delta y$
(1): $C_{n-2}^{i-1} P(g < x) = C_{n-2}^{i-1} F(x)^{i-1}$
(5): $C_{n-i-1}^{n-i} P(g > y+\Delta y) = C_{n-i-1}^{n-i} (1-Fg)^{n-i}$
(3): $C_{j-i-1}^{j-i-1} P(x+\Delta x < g < y) = 1$
where regardance repeases marginar:

$$h f(x) (n-1) f(y) C_{n-2}^{i-1} f(x)^{i-1} C_{n-j-1}^{n-j} (1-F(y))^{i-1}$$

$$(F(y) - F(x))^{j-i-1}$$