5 choosing ni We'll use the esnally spaced partition  $\mathcal{H}_{j} = -2 + j = 0, ..., n$ Very the rudopoint rule the représentative points are n'i

$$n = -2 + j \frac{3}{n} + \frac{3}{2n}$$

$$-2 + \frac{3}{2(2j+1)}$$

$$-2 + \frac{3(2j+1)}{2n}$$

$$\int_{-2}^{1} (5n-2) dn = \int_{-2}^{1} (5n-2) dn = \int_{-2}^{1} (7n) + \frac{3}{2n} \int_{-2}^{2} (7n) dn = \int_{-2}^{2} (7n) \int_{-2}^{2} (7n) dn = \int_{-2}^{2} (7n) \int_{-2}^{2} (7n$$

$$=\lim_{n\to\infty} \left( \frac{36}{36} + \frac{45}{2n} + \frac{45}{2n} \right)$$

$$= \left( \frac{-36}{7n} + \frac{45}{2n} \right), \frac{45}{2n}, \frac{90}{2n} \rightarrow 0$$

$$= \frac{-32}{7} + \frac{45}{2n}$$

$$= -\frac{32}{7} + \frac{45}{2n}$$

$$= -\frac{36}{7} + \frac{45}{2n} + \frac{45}{2n$$

$$\begin{array}{l} 23 \int_{-2}^{1} 3n^{2} dn. & \text{uning partition as} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn & \text{uning partition as} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn & \text{uning partition as} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn & \text{uning partition as} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{uning partition as} \\ -2 \int_{-2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{2}^{1} 3n^{2} dn. & \text{above and left hand} \\ -2 \int_{-2}^{1} 3n^{2}$$

(anything with factors of n in their donowinds 2 + 2 + 3 + ... + N