

(b)
$$y = be^{ax} = \int \ln y = \ln b + \ln e^{ax} = \partial x + \ln b$$
 $\ln y = \partial x + \ln b = \int = Ax + B \lim_{x \to a} \int \Delta x + \ln b$
 $\int \ln y = \Delta x + \ln b = \int = Ax + B \lim_{x \to a} \int \Delta x + \ln y = \int \Delta$

(c)
$$y = b x^{n} = \lambda h y = n \ln x + \lambda h b = y = Ax + B$$

$$\sum (\ln x)^{2} = \ln x_{1} + \ln y = \sum \ln x \ln y = \sum \ln x_{2} + \sum \ln x_{3} = \sum \ln x_{4} = \sum \ln$$

3.
$$f(x) = \chi^{2} \sin \chi$$
, $\chi \in [0, 1]$, $M = 16$, $N = 4$

$$\int_{a_{1}} (z) = \frac{1}{2} a_{0} + 0_{0} \cos (4z) + \frac{1}{2} \left[a_{k} \cos (kz) + a_{k} \sin (kz) \right], z \in [-\pi, \pi]$$

$$\chi_{0} = 0, \chi_{1} = 1, \Delta \chi = \frac{1}{31}, \chi_{1} = \frac{1}{31}, 1 \in [0, 31]$$

$$Z_{1} = \pi \left[2 \frac{\chi_{1} \cdot 0}{1 \cdot 0} - 1 \right] = \pi \left[2 \chi_{1} - 1 \right] \Rightarrow \pi \left[2 \frac{1}{3} \cdot 1 \right]$$

$$\partial_{0} = \frac{1}{16} \sum_{i=0}^{31} f(z_{i}) \sin (kz), k = 1, 2, 3$$

$$b_{k} = \frac{1}{32} \sum_{i=0}^{31} f(z_{i}) \sin (kz), k = 1, 2, 3$$

$$b_{k} = \frac{1}{32} \sum_{i=0}^{31} f(z_{i}) \sin (kz), in \left[\frac{z_{i}}{z_{i}} + i \right] \int_{z_{i}}^{z_{i}} f(z_{i}) \sin \left[\frac{z_{i}}{z_{i}} + i \right] \int_{z_{i}}^{z_{i}} f(z_{i}$$



