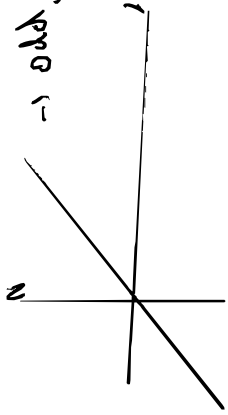


$$1) \quad f(t) = \frac{1}{T} \quad \text{for } t \in ]-\pi, \pi[ \\ T = 4, L = 2$$



→ odd function,  $a_n = 0$

$$f(t) = \sum_{n=1}^{\infty} b_n \sin(n \cdot t) \quad , \text{ and } b_n = \frac{1}{T} \cdot \int_{-T}^T \sin(n \cdot t) \cdot dt$$