9.
$$f(x) = \frac{1}{2}$$
 0, $x + 1, 2$]

 $x = \frac{1}{2} + 1$; $f(t) = \frac{5}{2} + 12$, $f(t) = \frac{7}{2} + 12$, $f(t) = 12$, $f(t) =$

For m Karmyan $5 = \frac{5}{7} + 1 \times (-1) = \frac{5}{7}$ $X = \frac{2}{7} + \frac{1}{7} \times (-1) = \frac{5}{7} \times (-1) \times$ Thogonom (+) 30 f(+) = 60; (6[-15]-2)

T(+) remain yn b=0 (0, to[2]) $Q_{k} = \frac{1}{4} \int_{-\infty}^{\infty} f(t) \cos kt dt + \frac{1}{4} \left(\int_{-\infty}^{\infty} f(t) \cos kt dt + \frac{1}$ 90= 1 St(+) d+= - 1 1 6+-1 d+= 1 SE(+)= 1 + 2 M LUKSIN TK + 3 COS TK-3) COSK+ $\frac{5}{7}(1) = \frac{1}{4} + \frac{2}{5} - 11 - \cos \frac{100}{5} \times \frac{1}{7} = \frac{1}{7} + \frac$ Sq-(-1)=+(-1+)+f(-1-)=2+0-1 Log no cumpan.

Por no unique. $\begin{array}{lll}
\lambda = \frac{2}{4} + & f(t) = \begin{cases} 0, & f \in [-\pi, -\frac{\pi}{2}) \\ \frac{\pi}{4} + 1, & f \in [0, \frac{\pi}{2}) \end{cases} \\
f(t) - \text{neverum}, & \text{no.} & \text{of } n = 0 \end{cases}$ $\begin{array}{lll}
b_{k} = \frac{1}{4} + f(t) + \frac{\pi}{4} + \frac{$

 $\frac{5_{7}(t) = 2^{\frac{1}{5}} \frac{6 \sin \frac{\pi t}{2} - \pi k - 2\pi k \cos \frac{\pi t}{2}}{\sqrt{3^{2}k^{2}}}}{5^{7}hkt}$ $\frac{5_{7}(t) = 2^{\frac{1}{5}} - 11 - 5^{1}n(\frac{\pi t}{2})}{\sqrt{3^{2}k^{2}}}$ $97(7) = 10, x \in [-2, -1)$ $97(7) = 10, x \in [-2, -1)$ $10, x \in [-2, -1]$ $10, x \in [-2, -1]$