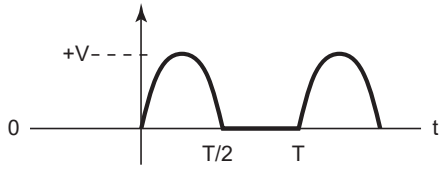
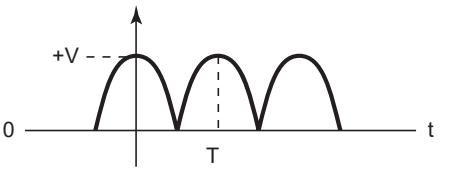
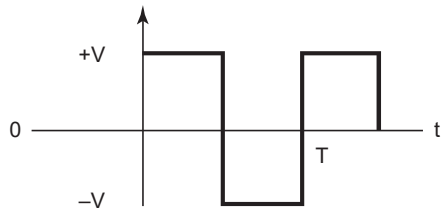
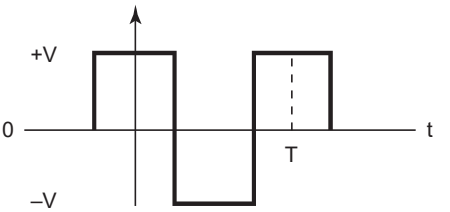
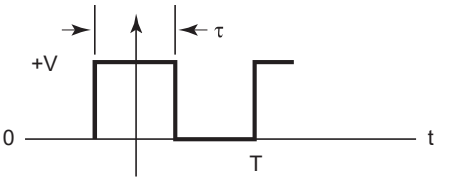
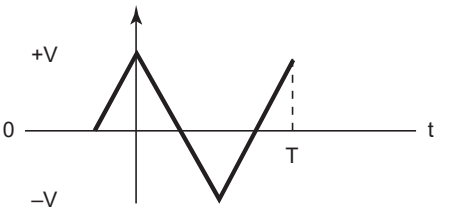
TABLA 1-3 Resumen de series de Fourier

Forma de onda	Serie de Fourier
Impar 	$v(t) = \frac{V}{\pi} + \frac{V}{2}\operatorname{sen}\omega t - \frac{2V}{3\pi}\cos 2\omega t - \frac{2V}{15\pi}\cos 4\omega t + \cdots$ $v(t) = \frac{V}{\pi} + \frac{V}{2}\operatorname{sen}\omega t + \sum_{N=2}^{\infty}\frac{V[1 + (-1)^N]}{\pi(1 - N^2)}\cos N\omega t$
Par 	$v(t) = \frac{2V}{\pi} + \frac{4V}{3\pi}\cos\omega t - \frac{4V}{15\pi}\cos 2\omega t + \cdots$ $v(t) = \frac{2V}{\pi} + \sum_{N=1}^{\infty}\frac{4V(-1)^N}{\pi[1 - (2N)^2]}\cos N\omega t$
Impar 	$v(t) = \frac{4V}{\pi}\operatorname{sen}\omega t + \frac{4V}{3\pi}\operatorname{sen} 3\omega t + \cdots$ $v(t) = \sum_{N=\text{impar}}^{\infty}\frac{4V}{N\pi}\operatorname{sen} N\omega t$
Par 	$v(t) = \frac{4V}{\pi}\cos\omega t - \frac{4V}{3\pi}\cos 3\omega t + \frac{4V}{5\pi}\cos 5\omega t + \cdots$ $v(t) = \sum_{N=\text{impar}}^{\infty}\frac{V\operatorname{sen} N\pi/2}{N\pi/2}\cos N\omega t$
Par 	$v(t) = \frac{V\tau}{T} + \sum_{N=1}^{\infty}\left(\frac{2V\tau}{T}\frac{\operatorname{sen} N\omega t/T}{N\pi t/T}\right)\cos N\pi t$
Par 	$v(t) = \frac{8V}{\pi^2}\cos\omega t + \frac{8V}{(3\pi)^2}\cos 3\omega t + \frac{8V}{(5\pi)^2}\cos 5\omega t + \cdots$ $v(t) = \sum_{N=\text{impar}}^{\infty}\frac{8V}{(N\pi)^2}\cos N\omega t$