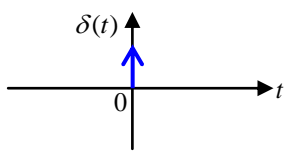
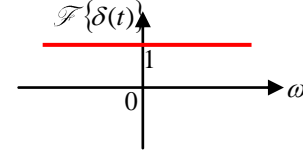
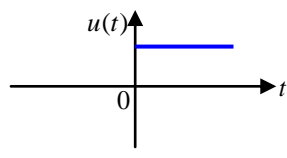
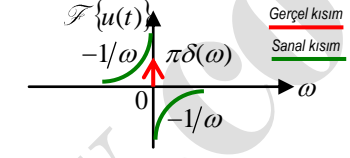
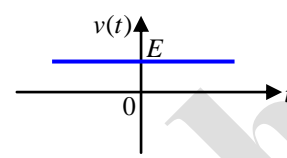
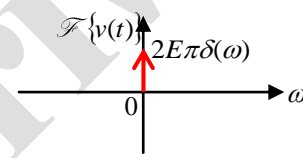
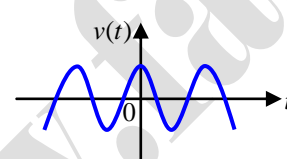
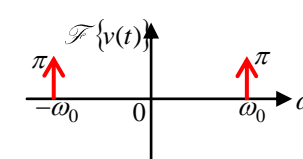


## Bazı temel işaretlerin Fourier dönüşümleri

	Zaman domeni	Frekans domeni
<b>Birim dürtü</b>	$\delta(t) = \begin{cases} \infty & , t = 0 \\ 0 & , t \neq 0 \end{cases}$	$\mathcal{F}\{\delta(t)\} = 1$
		
<b>Birim basamak</b>	$u(t) = \begin{cases} 1 & , t > 0 \\ 0 & , t < 0 \end{cases}$	$\mathcal{F}\{u(t)\} = \pi\delta(\omega) + \frac{1}{j\omega}$
		
<b>DA (DC) işaret</b>	$v(t) = E$	$\mathcal{F}\{v(t)\} = 2E\pi\delta(\omega)$
		
<b>AA (AC) işaret (Cos)</b>	$v(t) = \text{Cos}(\omega_0 t)$	$\mathcal{F}\{v(t)\} = \pi\delta(\omega - \omega_0) + \pi\delta(\omega + \omega_0)$
		
<b>AA (AC) işaret (Sin)</b>	$v(t) = \text{Sin}(\omega_0 t)$	$\mathcal{F}\{v(t)\} = j\pi\delta(\omega + \omega_0) - j\pi\delta(\omega - \omega_0)$
	