Tune-Up Tuesday #11 for November 27, 2018

Signal	Discrete-Time Signal	Discrete-Time Fourier Transform	Continuous-Time Signal	Continuous-Time Fourier Transform
Impulse	$\delta[n]$	1	$\delta(t)$	1
Delayed impulse	$\delta[n-N]$	$e^{-j\,\hat{\omega}\,N}$	$\delta(t-T)$	$e^{-j\,\omega\,T}$

Discrete-time Fourier transform of signal $x[n]$: $X_{freq}(\hat{\omega}) = \sum_{n=-\infty}^{\infty} x[n]e^{-j\,\hat{\omega}\,n}$

Continuous-Time Fourier Transform of signal $x(t)$: $X_{freq}(\omega) = \int_{-\infty}^{\infty} x(t)e^{-j\omega t}dt$