Input Parameters		
Function	**Expression**	**Description**
$x_1(t)$	$u(t+1.5) - u(t-1.5)$	Step function with delay and width parameters.
$x_1(\omega)$	$3\text{sinc}(1.5\omega)$	Fourier Transform of $x_1(t)$.
$x_2(t)$	$\delta(t+3) + \text{rect}\left(\frac{t}{2}\right) + 2\delta(t-2)$	Impulse function followed by a rectangle and two impulses.
$x_2(\omega)$	$e^{3j\omega} + 2\text{sinc}(\omega) + 2e^{-2j\omega}$	Fourier Transform of $x_2(t)$.