For any constants C, a, ω, and $k \in \mathbb{N}$ we have the Laplace Transforms of the following functions $y(t)$:

$y(t) = C$	$\mathcal{L}\{C\} = \dfrac{C}{s}$	Constant
$y(t) = e^{at}$	$\mathcal{L}\{e^{at}\} = \dfrac{1}{s-a}$	Exponential Function
$y(t) = \cos(\omega t)$	$\mathcal{L}\{\cos \omega t\} = \dfrac{s}{s^2 + \omega^2}$	Cosine
$y(t) = \sin(\omega t)$	$\mathcal{L}\{\sin \omega t\} = \dfrac{\omega}{s^2 + \omega^2}$	Sine
$y(t) = t^k$	$\mathcal{L}\{t^k\} = \dfrac{k!}{s^{k+1}}$	Power Function
$y(t) = e^{at}f(t)$	$\mathcal{L}\{e^{at}f(t)\} = F(s-a)$	First Shift Theorem