Elementary Laplace's transforms

$j(t)=L^{-1}\{J(s)\}$	$J(s)=L\{j(t)\}$
1	$\frac{1}{s},\quad s>0$
e^{at}	$\frac{1}{s-a},\quad s>a$
$t^n,\quad n=$ positive integer	$\frac{n!}{s^{n+1}},\quad s>0$
$e^{at}t^n,\quad n=$ positive integer	$\frac{n!}{(s-a)^{n+1}},\quad s>a$
$\sin(bt)$	$\frac{b}{s^2+b^2},\quad s>0$
$\cos(bt)$	$\frac{s}{s^2+b^2},\quad s>0$
$e^{at}\sin(bt)$	$\frac{b}{(s-a)^2+b^2},\quad s>a$
$e^{at}\cos(bt)$	$\frac{s-a}{(s-a)^2+b^2},\quad s>a$
$e^{at}j(t)$	$J(s-a)$
$\sinh(at)$	$\frac{a}{s^2-a^2},\quad s>\lvert a\rvert$
$\cosh(at)$	$\frac{s}{s^2-a^2},\quad s>\lvert a\rvert$
$u(t-c):=\begin{cases}1, & t\geq c\\ 0, & t<c\end{cases}$	$\frac{e^{-cs}}{s},\quad s>0$
$u(t-c)j(t-c)$	$e^{-cs}J(s)$
$j^{(n)}(t)$	$s^nJ(s)-s^{n-1}j(0)-s^{n-2}j'(0)-\ldots-j^{(n-1)}(0)$