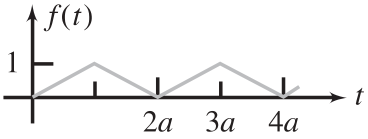
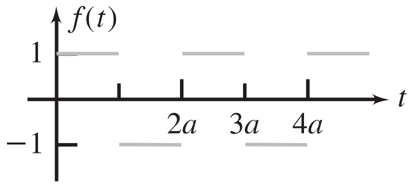
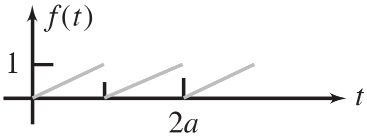
$f(t)$	$F(s) = \mathfrak{L}[f(t)](s)$
1	$\frac{1}{s}$
t	$\frac{1}{s^2}$
$t^n (n = 1, 2, 3, \cdots)$	$\frac{n!}{s^{n+1}}$
$\frac{1}{\sqrt{t}}$	$\sqrt{\frac{\pi}{s}}$
e^{at}	$\frac{1}{s-a}$
te^{at}	$\frac{1}{(s-a)^2}$
$t^n e^{at}$	$\frac{n!}{(s-a)^{n+1}}$
$\frac{1}{a-b}(e^{at} - e^{bt})$	$\frac{1}{(s-a)(s-b)}$
$\frac{1}{a-b}(ae^{at} - be^{bt})$	$\frac{s}{(s-a)(s-b)}$
$\frac{(c-b)e^{at} + (a-c)e^{bt} + (b-a)e^{ct}}{(a-b)(b-c)(c-a)}$	$\frac{1}{(s-a)(s-b)(s-c)}$
$\text{sen}(at)$	$\frac{a}{s^2+a^2}$
$\cos(at)$	$\frac{s}{s^2+a^2}$
$1 - \cos(at)$	$\frac{a^2}{s(s^2+a^2)}$
$at - \text{sen}(at)$	$\frac{a^3}{s^2(s^2+a^2)}$
$\text{sen}(at) - at\cos(at)$	$\frac{2a^3}{(s^2+a^2)^2}$
$\text{sen}(at) + at\cos(at)$	$\frac{2as^2}{(s^2+a^2)^2}$
$t\,\text{sen}(at)$	$\frac{2as}{(s^2+a^2)^2}$
$t\cos(at)$	$\frac{(s^2-a^2)}{(s^2+a^2)^2}$
$\frac{\cos(at) - \cos(bt)}{(b-a)(b+a)}$	$\frac{s}{(s^2+a^2)(s^2+b^2)}$
$e^{at}\,\text{sen}(bt)$	$\frac{b}{(s-a)^2+b^2}$
$e^{at}\cos(bt)$	$\frac{s-a}{(s-a)^2+b^2}$
$\text{senh}(at)$	$\frac{a}{s^2-a^2}$
$\cosh(at)$	$\frac{s}{s^2-a^2}$
$\text{sen}(at)\cosh(at) - \cos(at)\text{senh}(at)$	$\frac{4a^3}{s^4+4a^4}$
$\text{sen}(at)\text{senh}(at)$	$\frac{2a^2 s}{s^4+4a^4}$

$f(t)$	$F(s) = \mathfrak{L}[f(t)](s)$
$\operatorname{senh}(at) - \operatorname{sen}(at)$	$\dfrac{2a^3}{s^4 - a^4}$
$\cosh(at) - \cos(at)$	$\dfrac{2a^2 s}{s^4 - a^4}$
$\dfrac{1}{\sqrt{\pi t}} e^{at}(1 + 2at)$	$\dfrac{s}{(s-a)^{3/2}}$
$J_0(at)$	$\dfrac{1}{\sqrt{s^2 + a^2}}$
$J_n(at)$	$\dfrac{1}{a^n} \dfrac{\left(\sqrt{s^2 + a^2} - s\right)^n}{\sqrt{s^2 + a^2}}$
$J_0(2\sqrt{at})$	$\dfrac{1}{s} e^{-a/s}$
$\dfrac{1}{t} \operatorname{sen}(at)$	$\tan^{-1}\left(\dfrac{a}{s}\right)$
$\dfrac{2}{t}[1 - \cos(at)]$	$\ln\left(\dfrac{s^2 + a^2}{s^2}\right)$
$\dfrac{2}{t}[1 - \cosh(at)]$	$\ln\left(\dfrac{s^2 - a^2}{s^2}\right)$
$\dfrac{1}{\sqrt{\pi t}} - a e^{a^2 t} \operatorname{erfc}\left(\dfrac{a}{\sqrt{t}}\right)$	$\dfrac{1}{\sqrt{s} + a}$
$\dfrac{1}{\sqrt{\pi t}} + a e^{a^2 t} \operatorname{erf}\left(\dfrac{a}{\sqrt{t}}\right)$	$\dfrac{\sqrt{s}}{s - a^2}$
$e^{a^2 t} \operatorname{erf}(a\sqrt{t})$	$\dfrac{a}{\sqrt{s}(s - a^2)}$
$e^{a^2 t} \operatorname{erfc}(a\sqrt{t})$	$\dfrac{1}{\sqrt{s}\,(\sqrt{s} + a)}$
$\operatorname{erfc}\left(\dfrac{a}{2\sqrt{t}}\right)$	$\dfrac{1}{s} e^{-a\sqrt{s}}$
$\dfrac{1}{\sqrt{\pi t}} e^{-a^2/4t}$	$\dfrac{1}{\sqrt{s}} e^{-a\sqrt{s}}$
$\dfrac{1}{\sqrt{\pi(t + a)}}$	$\dfrac{1}{\sqrt{s}} e^{as} \operatorname{erfc}(\sqrt{as})$
$\dfrac{1}{\pi t} \operatorname{sen}(2a\sqrt{t})$	$\operatorname{erf}\left(\dfrac{a}{\sqrt{s}}\right)$
$f\left(\dfrac{t}{a}\right)$	$aF(as)$
$e^{bt/a} f\left(\dfrac{t}{a}\right)$	$aF(as - b)$
$\delta_\epsilon(t)$	$\dfrac{e^{-\epsilon s}(1 - e^{-\epsilon s})}{\epsilon s}$
$\delta(t - a)$	e^{-as}
$L_n(t)$ (Polinomio de Laguerre)	$\dfrac{1}{s}\left(\dfrac{s-1}{s}\right)^n$

$f(t)$	$F(s) = \mathfrak{L}[f(t)](s)$
$\dfrac{n!}{(2n)!\sqrt{\pi t}} H_{2n}(t)$ (Polinomio de Hermite)	$\dfrac{(1-s)^n}{s^{n+1/2}}$
$\dfrac{-n!}{\sqrt{\pi}(2n+1)!} H_{2n+1}(t)$ (Polinomio de Hermite)	$\dfrac{(1-s)^n}{s^{n+3/2}}$
onda triangular 	$\dfrac{1}{as^2}\left[\dfrac{1-e^{-as}}{1+e^{-as}}\right]\left(=\dfrac{1}{as^2}\tanh\left(\dfrac{as}{2}\right)\right)$
onda cuadrada 	$\dfrac{1}{s}\tanh\left(\dfrac{as}{2}\right)$
onda serrucho 	$\dfrac{1}{as^2} - \dfrac{e^{-as}}{s(1-e^{-as})}$

$f(t)$	$F(s)$
$af(t) + bg(t)$	$aF(s) + bG(s)$
$f'(t)$	$sF(s) - f(0+)$
$f^{(n)}(t)$	$s^n F(s) - s^{n-1} f(0) - \cdots - f^{(n-1)}(0)$
$\int_0^t f(\tau)\,d\tau$	$\dfrac{1}{s} F(s)$
$tf(t)$	$-F'(s)$
$t^n f(t)$	$(-1)^n F^{(n)}(s)$
$\dfrac{1}{t} f(t)$	$\int_s^\infty F(\sigma)\,d\sigma$
$e^{at} f(t)$	$F(s-a)$
$f(t-a)H(t-a)$	$e^{-as} F(s)$
$f(t+\tau) = f(t)$ (periódica)	$\dfrac{1}{1-e^{-\tau s}} \int_0^\tau e^{-st} f(t)\,dt$