A – TABELA DAS PROPRIEDADES DA TRANSFORMADA DE LAPLACE		
	f(t)	$F(s)=\int_0^{\infty} e^{-st} f(t)\,dt$
1	$a\,f(t)+b\,g(t)$	$a\,F(s)+b\,G(s)$
2	$e^{at}f(t)$	$F(s-a)$
3	$f(t-a)\,H(t-a)$, com $a \ge 0$	$e^{-as}F(s)$
4	$f'(t)$	$sF(s)-f(0)$
5	$f''(t)$	$s^2F(s)-sf(0)-f'(0)$
	$f^{(n)}(t)$	$s^nF(s)-s^{n-1}f(0)-\ldots-f^{(n-1)}(0)$
6	$\int_0^t f(u)\,du$	$\frac{F(s)}{s}$
7	$t^n\,f(t)$	$(-1)^n \frac{d^nF}{ds^n}(s)$
8	$f(t)=f(t+T),\ \forall\ t=0$	$\frac{\int_0^T e^{-st} f(t)dt}{1-e^{-sT}}$
9	$\int_0^t f(u)\,g(t-u)\,du$	$F(s)\,.\,G(s)$
10	$e^{s_n t}\sum_{k=1}^{m}\frac{A_k\,t^{m-k}}{(m-k)!}$, onde: $A_k=\lim_{s\to s_n}\frac{1}{(k-1)!}\frac{d^{k-1}}{ds^{k-1}}\{(s-s_n)^m F(s)\}$	$\frac{P(s)}{Q(s)}$, com P(s) e Q(s) polinômios, grau (P(s)) < grau (Q(s)) . s_n raiz de Q(s) de multiplicidade m.

B – TABELA DE TRANSFORMADAS DE LAPLACE IMPORTANTES					
	f(t)	F(s)		f(t)	F(s)
1	1	$\frac{1}{s}$	6	cos at	$\frac{s}{s^2+a^2}$
2	t	$\frac{1}{s^2}$	7	senh at	$\frac{a}{s^2-a^2}$
3	t^n , n natural	$\frac{n!}{s^{n+1}}$	8	cosh at	$\frac{s}{s^2-a^2}$
4	e^{at}	$\frac{1}{s-a}$	9	$H(t-a),\ a\ge 0$	$\frac{e^{-as}}{s}$
5	sen at	$\frac{a}{s^2+a^2}$	10	$\delta(t-a),\ a\ge 0$	e^{-as}

NÚMEROS COMPLEXOS

$$z=x+iy \quad \Leftrightarrow \quad e^z=e^x(\cos\,y+i\,\text{sen}\,y)$$

$$\text{senh}\,z=\frac{e^z-e^{-z}}{2},\quad \cosh\,z=\frac{e^z+e^{-z}}{2},\quad \text{sen}\,z=\frac{e^{iz}-e^{-iz}}{2i},\quad \cos\,z=\frac{e^{iz}+e^{-iz}}{2}$$