

TABLE A. Tabel Transformasi Laplace

1.	$f(s)$	$f(t)$
2.	$\frac{1}{s}$	1
3.	$\frac{1}{s^2}$	t
4.	$\frac{1}{s^n}, \quad n = 2, 3, \dots$	$\frac{t^{n-1}}{(n-1)!}$
5.	$\frac{n!}{s^{n+1}}, \quad n = 2, 3, \dots$	t^n
6.	$\frac{1}{s^\alpha}, \quad \alpha > 0$	$\frac{t^{\alpha-1}}{\Gamma(\alpha)}$
7.	$\frac{1}{\sqrt{s}}$	$\frac{1}{\sqrt{\pi t}}$
8.	$\frac{1}{s-\alpha}$	$e^{\alpha t}$
9.	$\frac{1}{(s-\alpha)(s-b)}, \quad \alpha \neq b$	$\frac{1}{\alpha-b} (e^{\alpha t} - e^{bt})$
10.	$\frac{s}{(s-\alpha)(s-b)}, \quad \alpha \neq b$	$\frac{1}{\alpha-b} (ae^{\alpha t} - be^{bt})$
11.	$\frac{1}{(s-\alpha)^2}$	$te^{\alpha t}$
12.	$\frac{1}{(s-\alpha)^n}, \quad n = 3, 4, \dots$	$\frac{t^{n-1} e^{\alpha t}}{(n-1)!}$
13.	$\frac{\alpha}{s^2 + \alpha^2}, \quad n = 3, 4, \dots$	$\frac{t^{n-1} e^{\alpha t}}{(n-1)!}$
14.	$\frac{s}{s^2 + \alpha^2}$	$\cos \alpha t$

15.	$\frac{\alpha}{s^2 - \alpha^2}$	$\sinh \alpha t$
16.	$\frac{s}{s^2 - \alpha^2}$	$\cosh \alpha t$

