No.	$x(t)$	$X(s)$
1	$\delta(t)$	1
2	$u(t)$	$\dfrac{1}{s}$
3	$tu(t)$	$\dfrac{1}{s^2}$
4	$t^n u(t)$	$\dfrac{n!}{s^{n+1}}$
5	$e^{\lambda t} u(t)$	$\dfrac{1}{s-\lambda}$
6	$te^{\lambda t} u(t)$	$\dfrac{1}{(s-\lambda)^2}$
7	$t^n e^{\lambda t} u(t)$	$\dfrac{n!}{(s-\lambda)^{n+1}}$
8a	$\cos bt\, u(t)$	$\dfrac{s}{s^2+b^2}$
8b	$\sin bt\, u(t)$	$\dfrac{b}{s^2+b^2}$
9a	$e^{-at}\cos bt\, u(t)$	$\dfrac{s+a}{(s+a)^2+b^2}$
9b	$e^{-at}\sin bt\, u(t)$	$\dfrac{b}{(s+a)^2+b^2}$
10a	$re^{-at}\cos(bt+\theta)\,u(t)$	$\dfrac{(r\cos\theta)s+(ar\cos\theta-br\sin\theta)}{s^2+2as+(a^2+b^2)}$
10b	$re^{-at}\cos(bt+\theta)\,u(t)$	$\dfrac{0.5re^{j\theta}}{s+a-jb}+\dfrac{0.5re^{-j\theta}}{s+a+jb}$
10c	$re^{-at}\cos(bt+\theta)\,u(t)$ $$r=\sqrt{\dfrac{A^2c+B^2-2ABa}{c-a^2}}$$ $$\theta=\tan^{-1}\left(\dfrac{Aa-B}{A\sqrt{c-a^2}}\right)$$ $$b=\sqrt{c-a^2}$$	$\dfrac{As+B}{s^2+2as+c}$
10d	$e^{-at}\left[A\cos bt+\dfrac{B-Aa}{b}\sin bt\right]u(t)$ $$b=\sqrt{c-a^2}$$	$\dfrac{As+B}{s^2+2as+c}$

Bảng tra biến đổi Z

No.	$x[n]$	$X[z]$
1	$\delta[n-n]$	z^{-k}
2	$u[n]$	$\dfrac{z}{z-1}$
3	$nu[n]$	$\dfrac{z}{(z-1)^2}$
4	$n^2 u[n]$	$\dfrac{z(z+1)}{(z-1)^3}$
5	$n^3 u[n]$	$\dfrac{z(z^2+4z+1)}{(z-1)^4}$
6	$\gamma^n u[n]$	$\dfrac{z}{z-\gamma}$
7	$\gamma^{n-1} u[n-1]$	$\dfrac{1}{z-\gamma}$
8	$n\gamma^n u[n]$	$\dfrac{\gamma z}{(z-\gamma)^2}$
10	$\dfrac{n(n-1)(n-2)\cdots(n-m+1)}{\gamma^m m!}\gamma^n u[n]$	$\dfrac{z}{(z-\gamma)^{m+1}}$
11a	$|\gamma|^n \cos \beta n\, u[n]$	$\dfrac{z(z-|\gamma|\cos\beta)}{z^2-(2|\gamma|\cos\beta)z+|\gamma|^2}$
11b	$|\gamma|^n \sin \beta n\, u[n]$	$\dfrac{z|\gamma|\sin\beta}{z^2-(2|\gamma|\cos\beta)z+|\gamma|^2}$
12a	$r|\gamma|^n \cos(\beta n+\theta)u[n]$	$\dfrac{rz[z\cos\theta-|\gamma|\cos(\beta-\theta)]}{z^2-(2|\gamma|\cos\beta)z+|\gamma|^2}$
12b	$r|\gamma|^n \cos(\beta n+\theta)u[n] \qquad \gamma=|\gamma|e^{j\beta}$	$\dfrac{(0.5re^{j\theta})z}{z-\gamma}+\dfrac{(0.5re^{-j\theta})z}{z-\gamma^*}$
12c	$r|\gamma|^n \cos(\beta n+\theta)u[n]$	$\dfrac{z(Az+B)}{z^2+2az+|\gamma|^2}$

$$r=\sqrt{\frac{A^2|\gamma|^2+B^2-2AaB}{|\gamma|^2-a^2}} \qquad \beta=\cos^{-1}\frac{-a}{|\gamma|} \qquad \theta=\tan^{-1}\frac{Aa-B}{A\sqrt{|\gamma|^2-a^2}}$$