$f(t)$	$F(s)$		
$f(t)$	$\int_{-\infty}^{\infty} e^{-st} f(t)\, dt$		
$af(t) + bg(t)$	$aF(s) + bG(s)$		
$tf(t)$	$-F'(s)$		
$t^n f(t)$	$(-1)^n F^{(n)}(s)$		
$f'(t)$	$sF(s) - f(0^-)$		
$f''(t)$	$s^2F(s) - sf(0^-) - f'(0^-)$		
$\frac{1}{t} f(t)$	$\int_{s}^{\infty} F(\sigma)\, d\sigma$		
$e^{at} f(t)$	$F(s - a)$		
$f(t - a)u(t - a)$	$e^{-as} F(s)$		
$f(at)$	$\frac{1}{a} F(\frac{s}{a})$		
$\delta(t)$	1		
$\delta(t - \tau)$	$e^{-\tau s}$		
$u(t)$	$\frac{1}{s}$		
$u(t - \tau)$	$\frac{1}{s} e^{-\tau s}$		
$t^n \cdot u(t)$	$\frac{n!}{s^{n+1}}$		
$e^{-\alpha t} \cdot u(t)$	$\frac{1}{s+\alpha}$		
$\sin(\omega t) \cdot u(t)$	$\frac{\omega}{s^2+\omega^2}$		
$\cos(\omega t) \cdot u(t)$	$\frac{s}{s^2+\omega^2}$		

For the LaTeXfile see
https://github.com/joey-kilgore/playground and look for the practiceTransforms folder