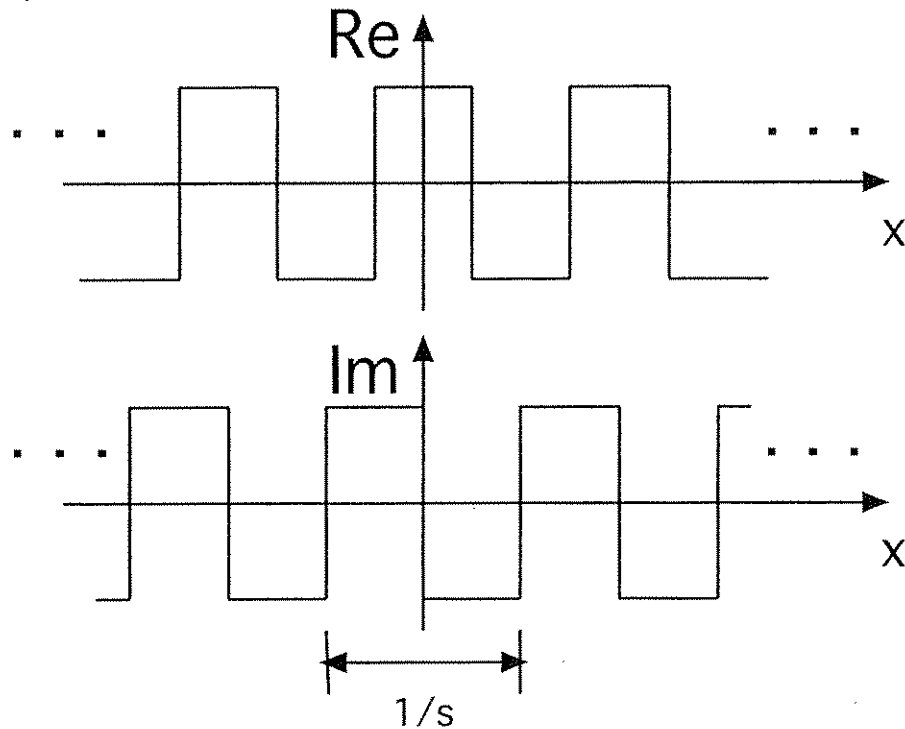


② Consider the following transform: $g(x) \xrightarrow{\text{transforms to}} \tilde{G}(s)$

$$\tilde{G}(s) = \int g(x) w(x,s) dx$$

where $w(x,s)$ is



Indicate if the following transform properties still apply.

a) $a f(x) + b g(x) \longrightarrow a \tilde{F}(s) + b \tilde{G}(s)$

b) $g(ax) \longrightarrow \frac{1}{|a|} \tilde{G}(s/a)$

c) $g(x) = f(x) * h(x) \longrightarrow \tilde{G}(s) = \tilde{F}(s) \tilde{H}(s)$