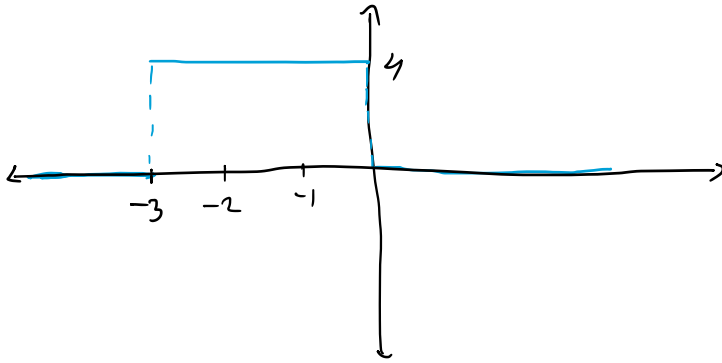4. a. $f(t) = \begin{cases} 4, & -3 < t < 0 \\ 0, & t \text{ lainnya} \end{cases}$

$f(t) = 4u(t-(-3)) - 4u(t-0)$

$f(t) = 4u(t+3) - 4u(t)$

b. $f(t) = 4u(t+3) - 4u(t)$

$x = 2t$

$f(x) = 4u(x+3) - 4u(x)$

$f(2t) = 4u(2t+3) - 4u(2t)$