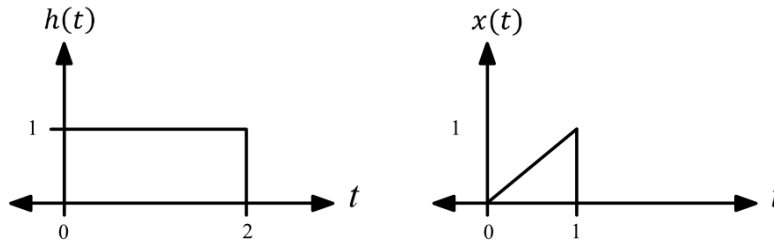


Open book and open notes

Show your work for credit and place boxes around your answers.

1. An analog linear time-invariant (LTI) system has the following impulse response, $h(t)$, and input, $x(t)$, shown below. Determine the output, $y(t)$.



2. A digital linear time-invariant (LTI) system has the following impulse response, $h[n]$, and input, $x[n]$, shown below. Determine the output, $y[n]$. Verify your answer in MATLAB.

