Name:_____ ID:_____

This Quiz is to test your knowledge on signal synthesis and convolution with a impulse response.
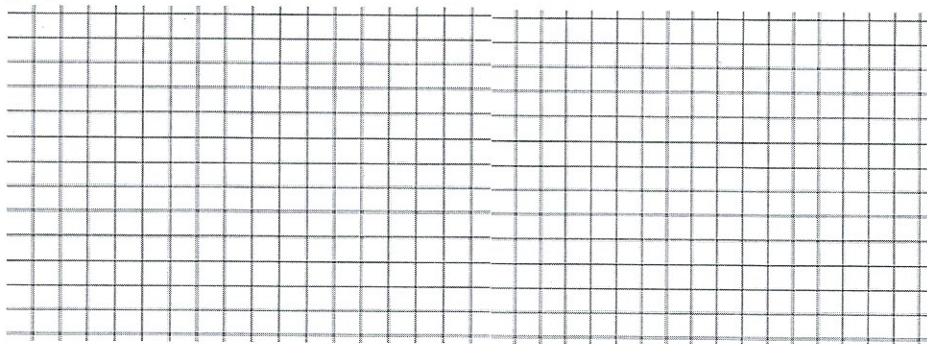
Let x1(t)= x(t-2) [u(t)- u(t-4)

(a) Plot x1(t) on the graph paper below.
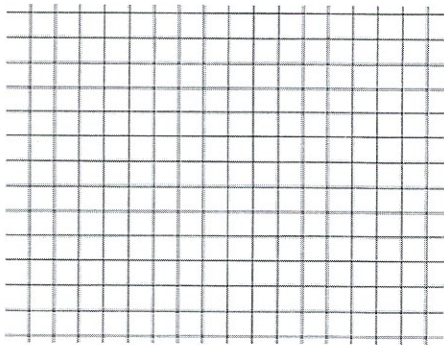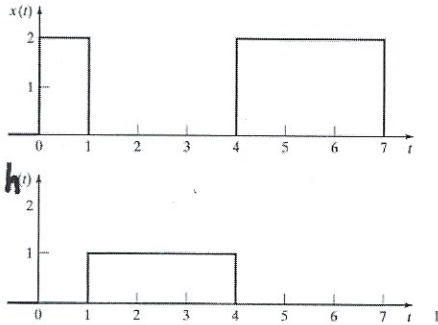
(b) Let h1(t)= h(t) [exp(-(t-1)) u(t-1)]
     Plot h1(t) in the left side graph below.

(c) Find x1(t) * h1(t) and plot the function in the graph below for 0 < t <5 in the right side
     graph below.

Left side   Right side