

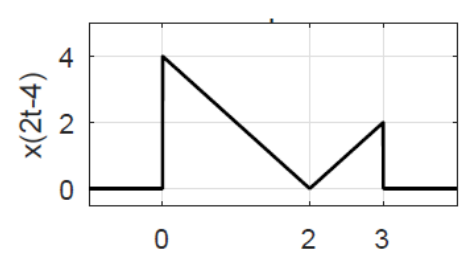
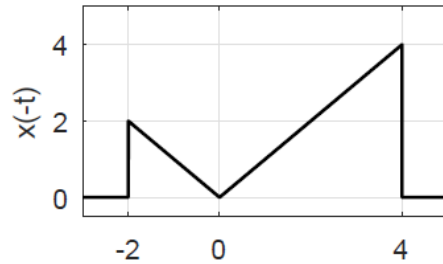
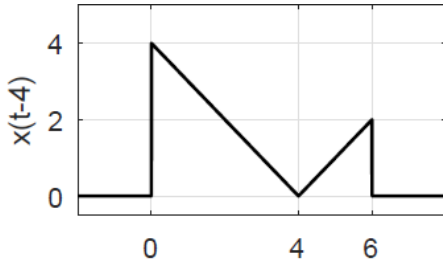
ENGR 3323: Signals and Systems

HW 1_Ch1_Answer Keys

1a) 3 1b) 3 1c) 1/3 1d) 4/3

2) 64/7

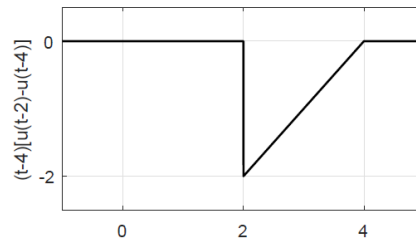
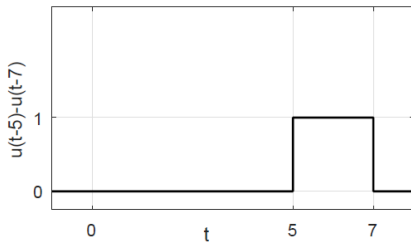
3)



4) sketch the following signals

a) $u(t-5) - u(t-7)$

b) $(t-4)[u(t-2)-u(t-4)]$



5a) 0 5a) $2/9 \delta(\omega)$ 5c) $0.5 \delta(t)$ 5d) $k \delta(\omega)$

6a) $x(t)$ 6b) $x(t)$ 6c) e^3

7a) $s = 0 + j3$ 7b) $s = -2 + j0$ 7c) $s = -3 + j3$ 7d) $s = 0 + j0$