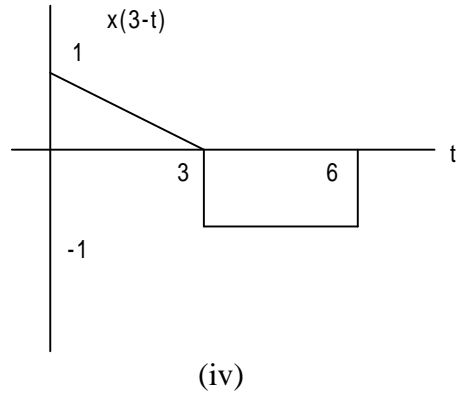
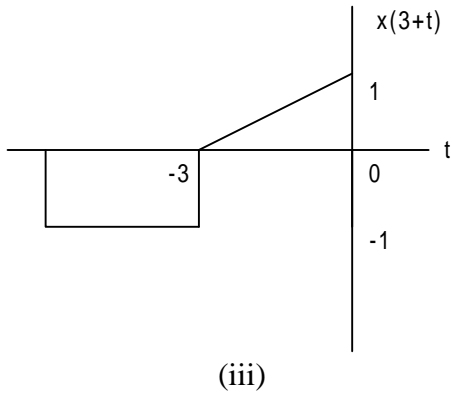
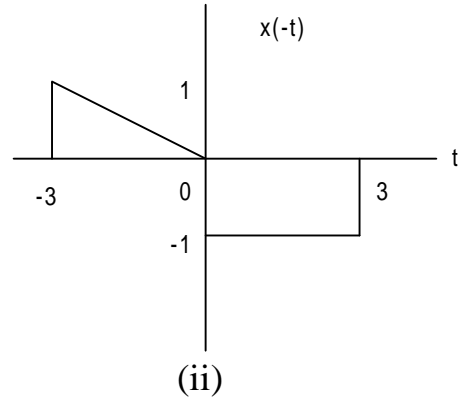
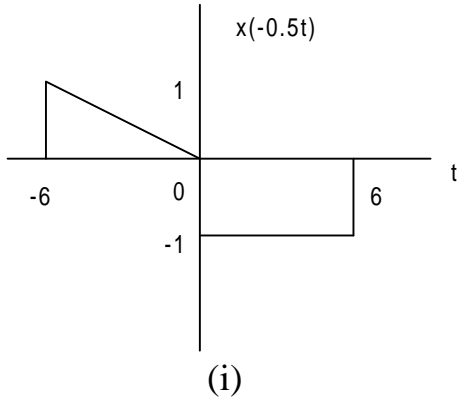
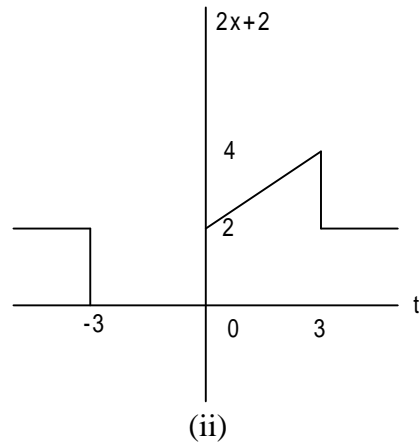
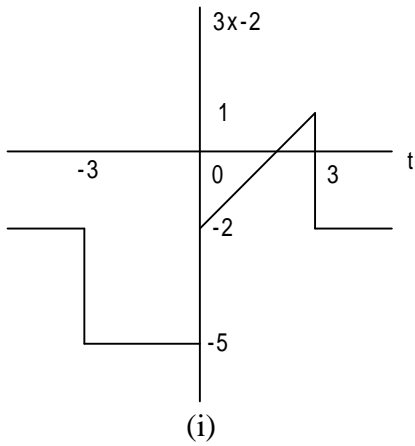


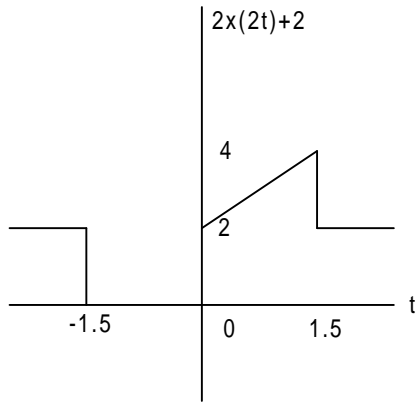
ESE305 Homework #1
(DUE 9/9/99)

2.1(a)

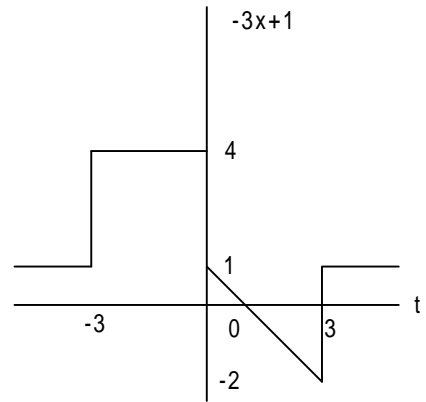


2.2(a)



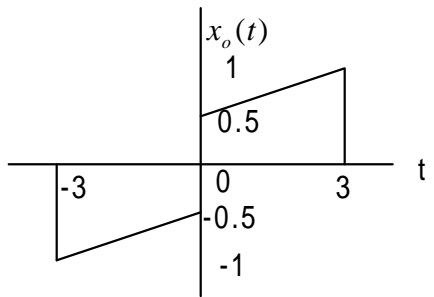
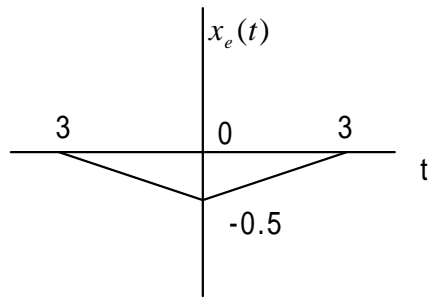


(iii)

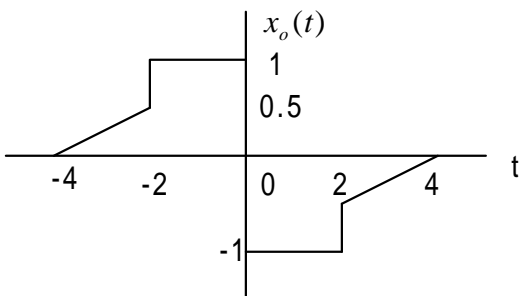
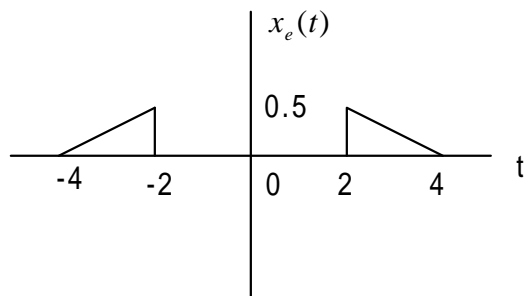


(iv)

2.6(a)



2.6(b)



- 2.7 (a) odd
- (b) neither
- (c) even

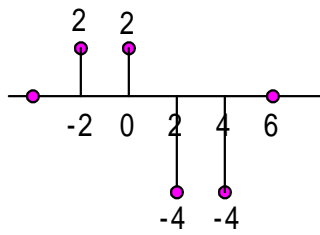
2.12

(a) $w_0 = \frac{2\pi}{T_0}, \quad T_0 = \frac{2\pi}{7}$

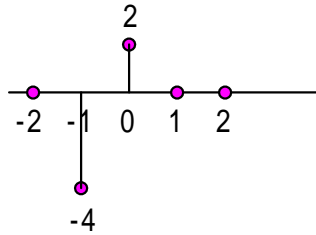
(b) $T_0 = \frac{2\pi}{3}$

(c) $T_0 = \frac{2\pi}{5}$

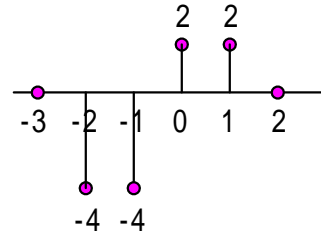
9.1(a)



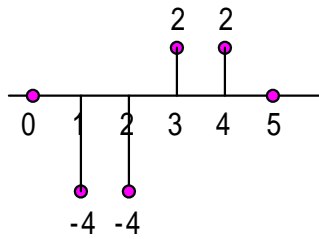
(i)



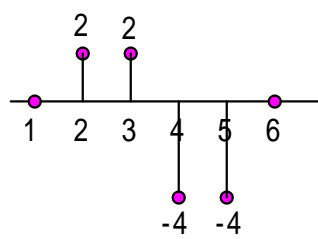
(ii)



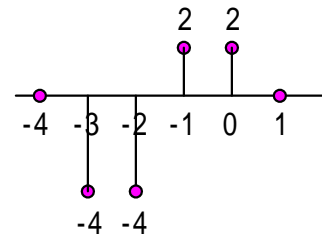
(iii)



(iv)

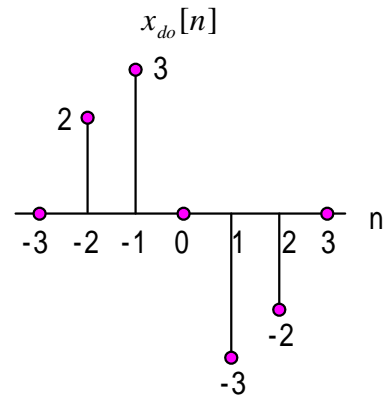
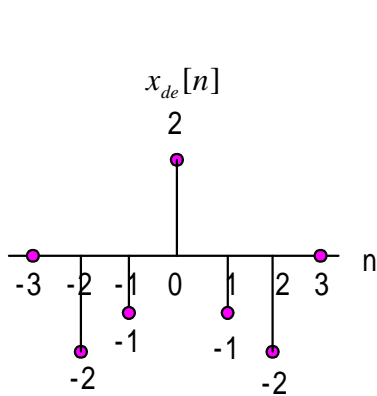


(v)



(vi)

9.7(a)



9.8(a)

- (i) even
- (ii) neither
- (iii) odd
- (iv) even
- (v) even
- (vi) neither

9.14

- (a) $k = 5, N_0 = 14$
- (b) not periodic
- (c) $N_0 = 1$