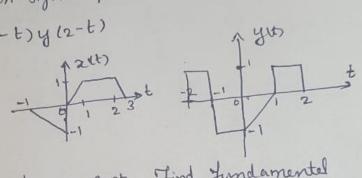
BECH301L-Signal Processing Assignment -I

1 For the given signals plot (i) x(2t) y(0.5t+1) (ii) x(4-t)y(2-t)



2. Check periodic or not. Find fundamental foriod if signal is periodic.

(i) x(m) = e + e 131/4/n

(ii) 2 cm = 2 cos 3 mm + 7 cos 9 m

- 3. Check whether the following Systems are static Dynamic, Linear/NL, TV/TI, coursel/NC
 - (D y(n) = 2(n) 2(n-1)
 - 2 2y(n) = 2x(n) + 1/2 (n-1)
 - (3) yon = n occn)
 - (4) yen1= x2cn)
- h. Determine z-transform!

 (Docon) = n^2 u(n)

 (Docon) = nucn)

 (3) nucn) = nucn)