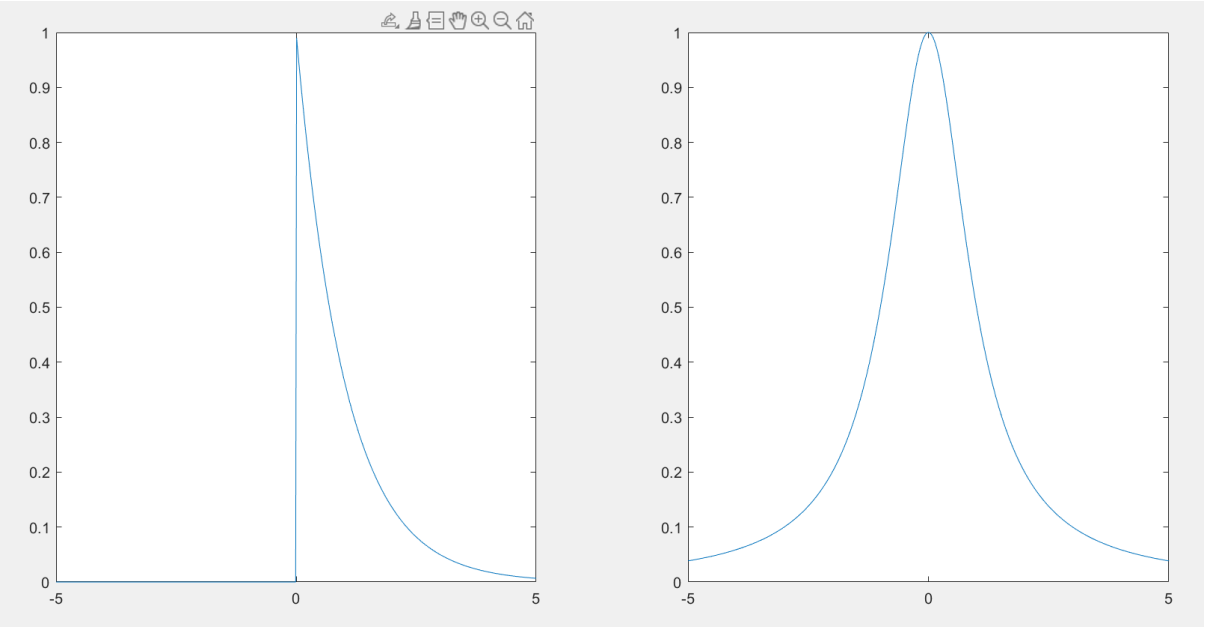
Graphical Output

CONTINUOUS TIME FOURIER TRANSFORM OF ONES-SIDED EXPONENTIAL SIGNAL

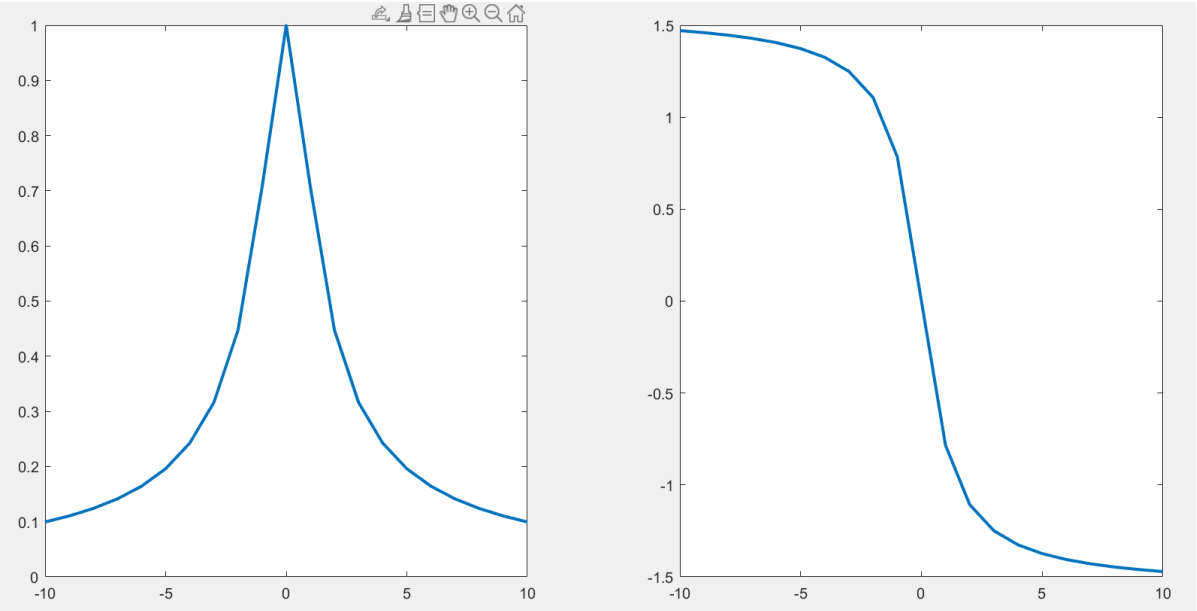
Q2)

e^{-at} and Fourier(e^{-at})



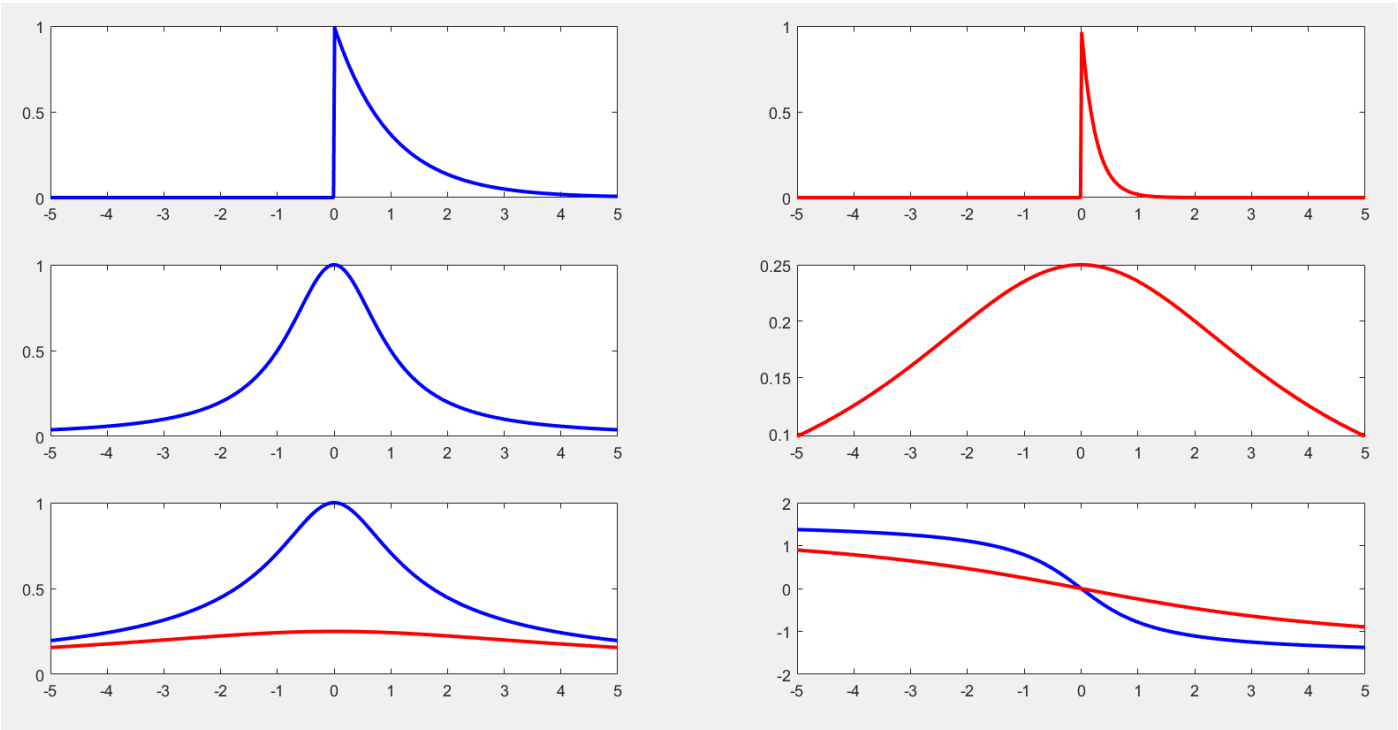
Q4)

Magnitude and Phase



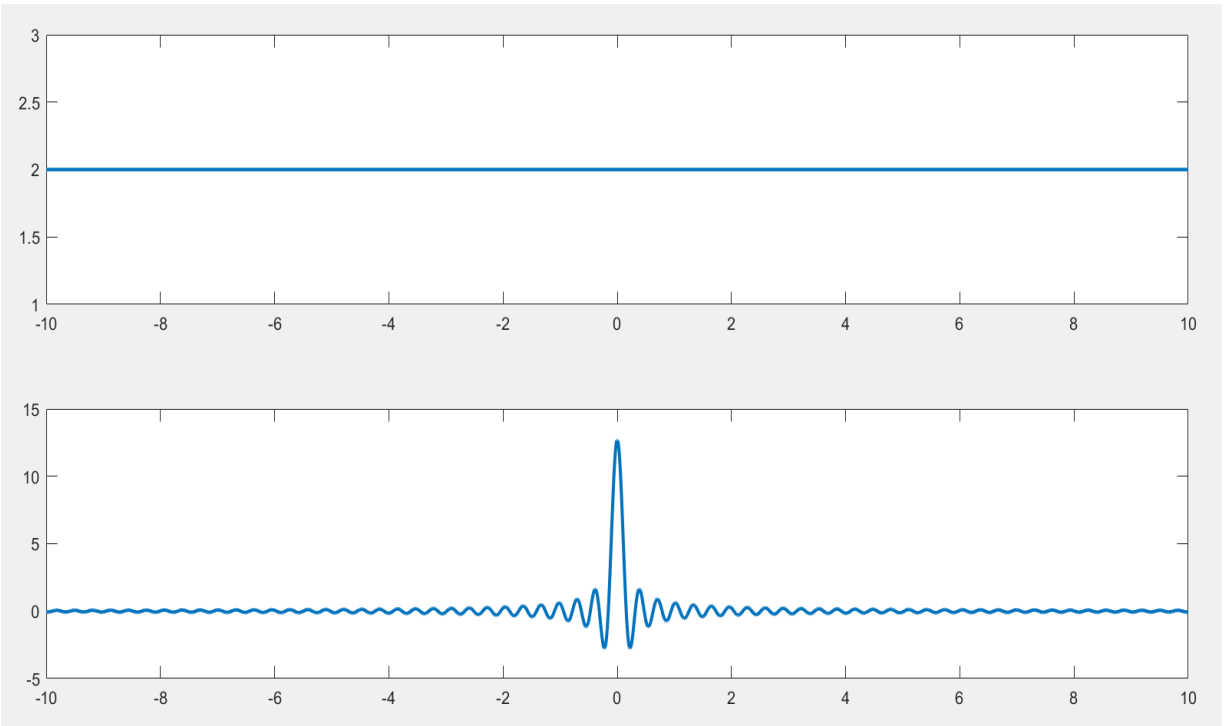
Q5)

a=1 **and** **b=4**



UNDERSTANDING AN IDEAL LOW-PASS FILTER

Q1)



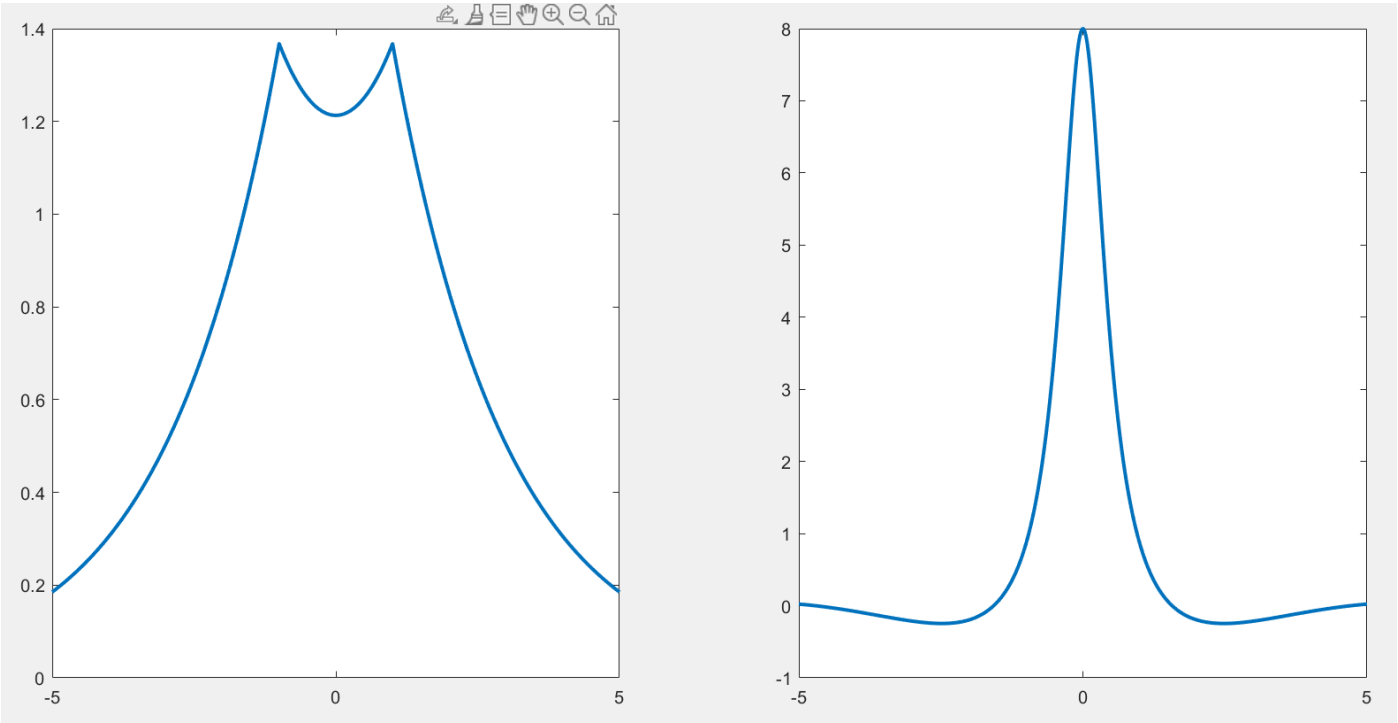
LPF

lpf(t)

AMPLITUDE MODULATION

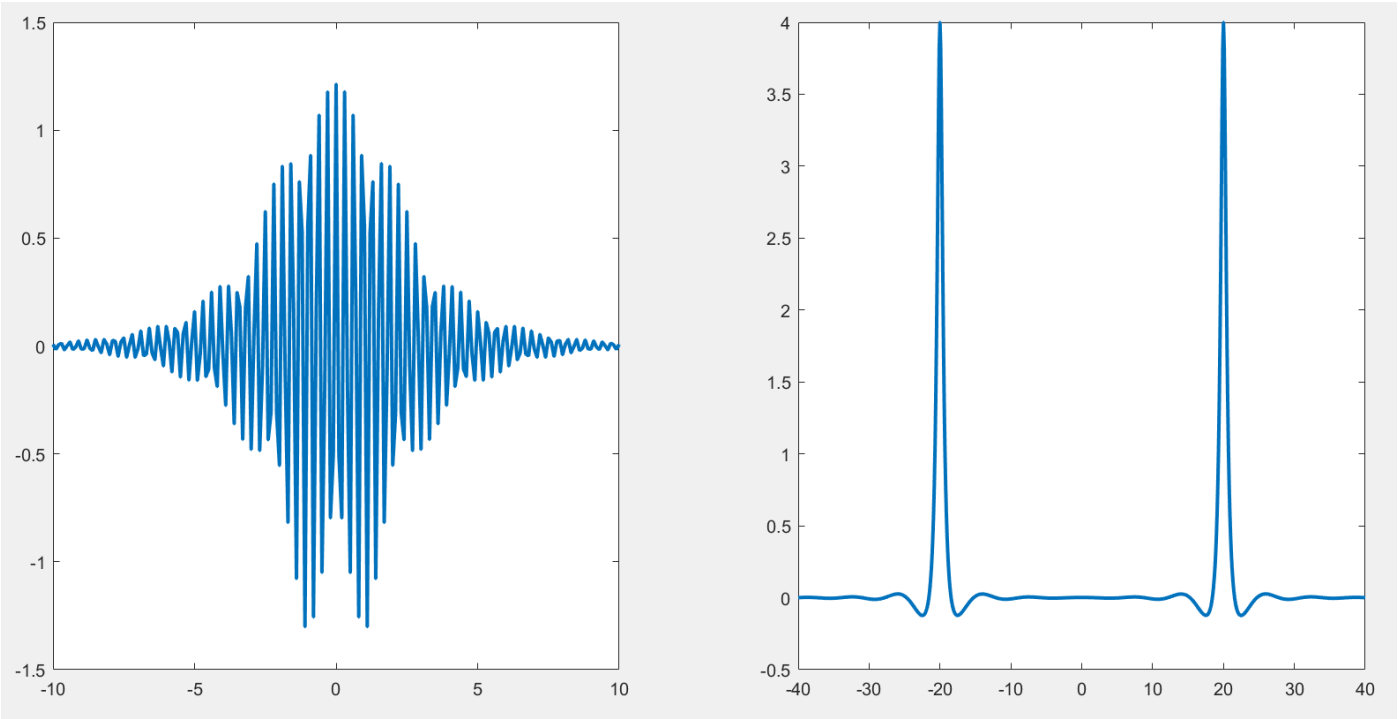
Q1)

m(t) and M(jw)



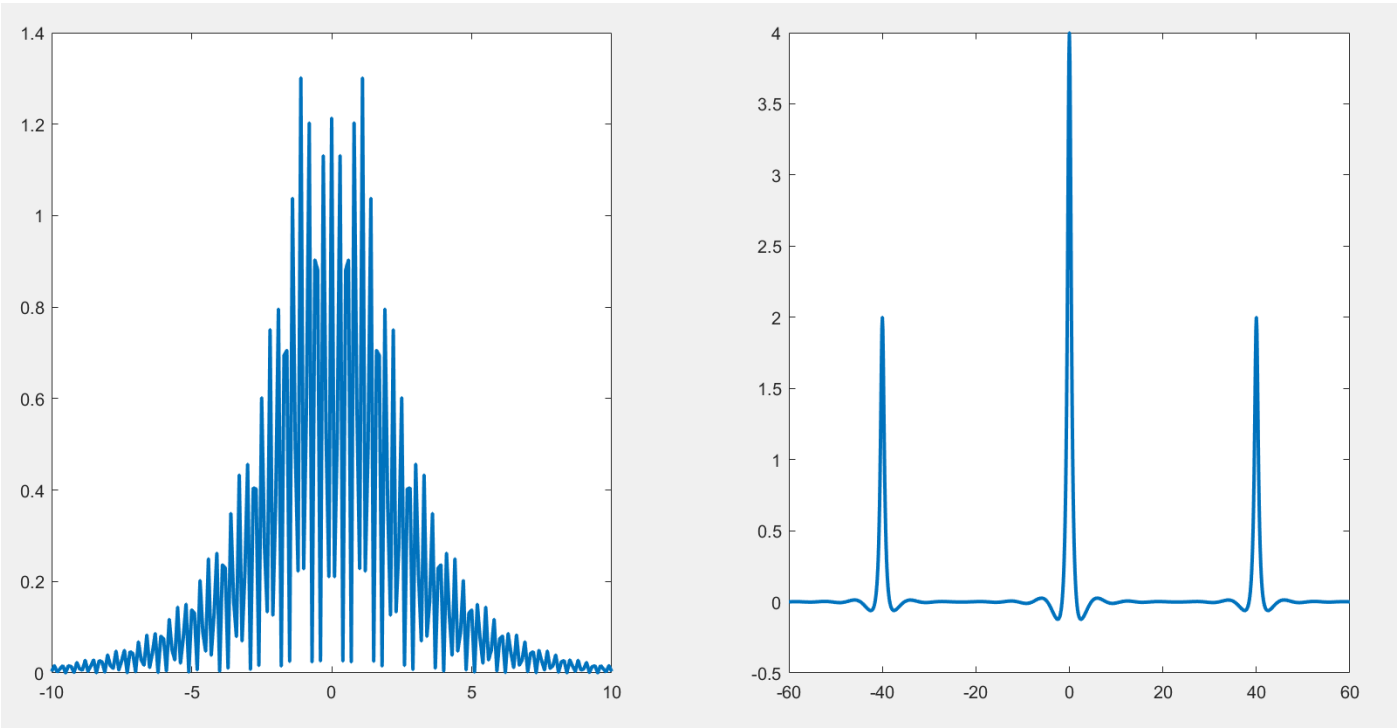
Q3)

s(t) and S(jw)



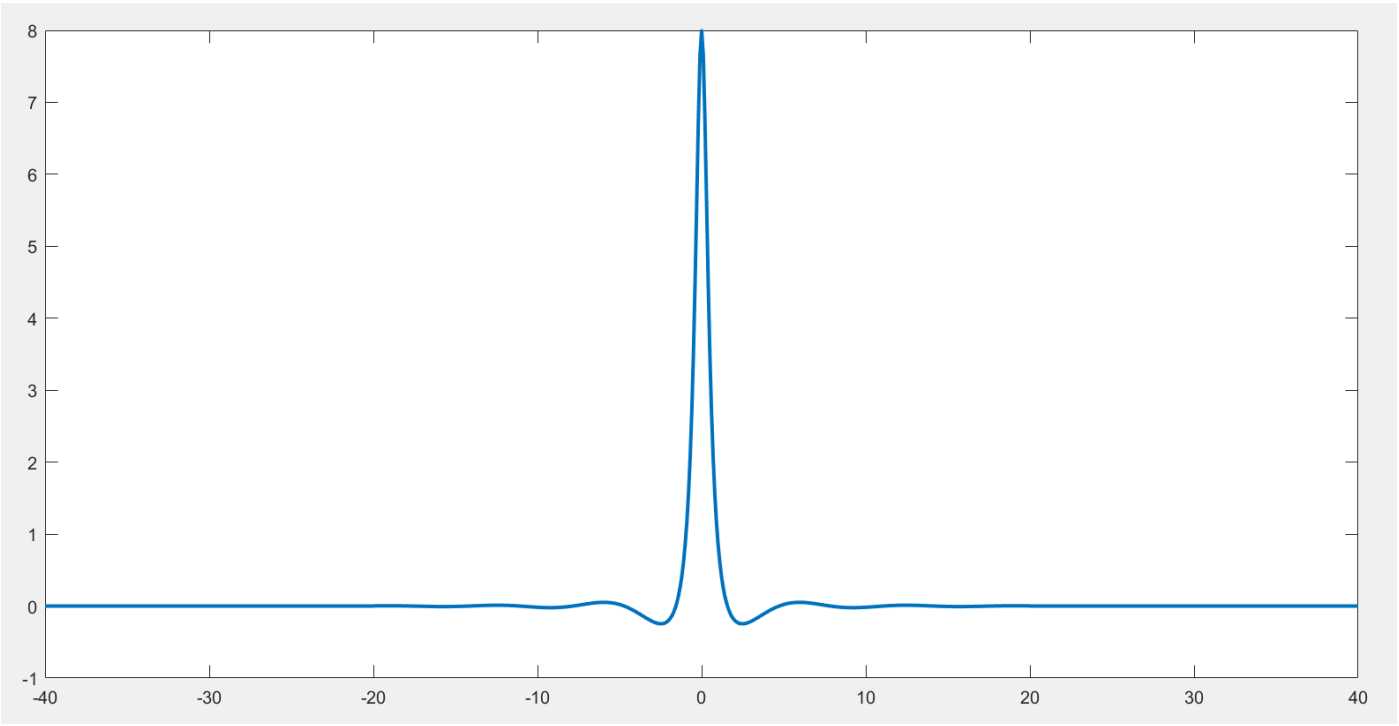
Q4)

d(t) and D(jw)



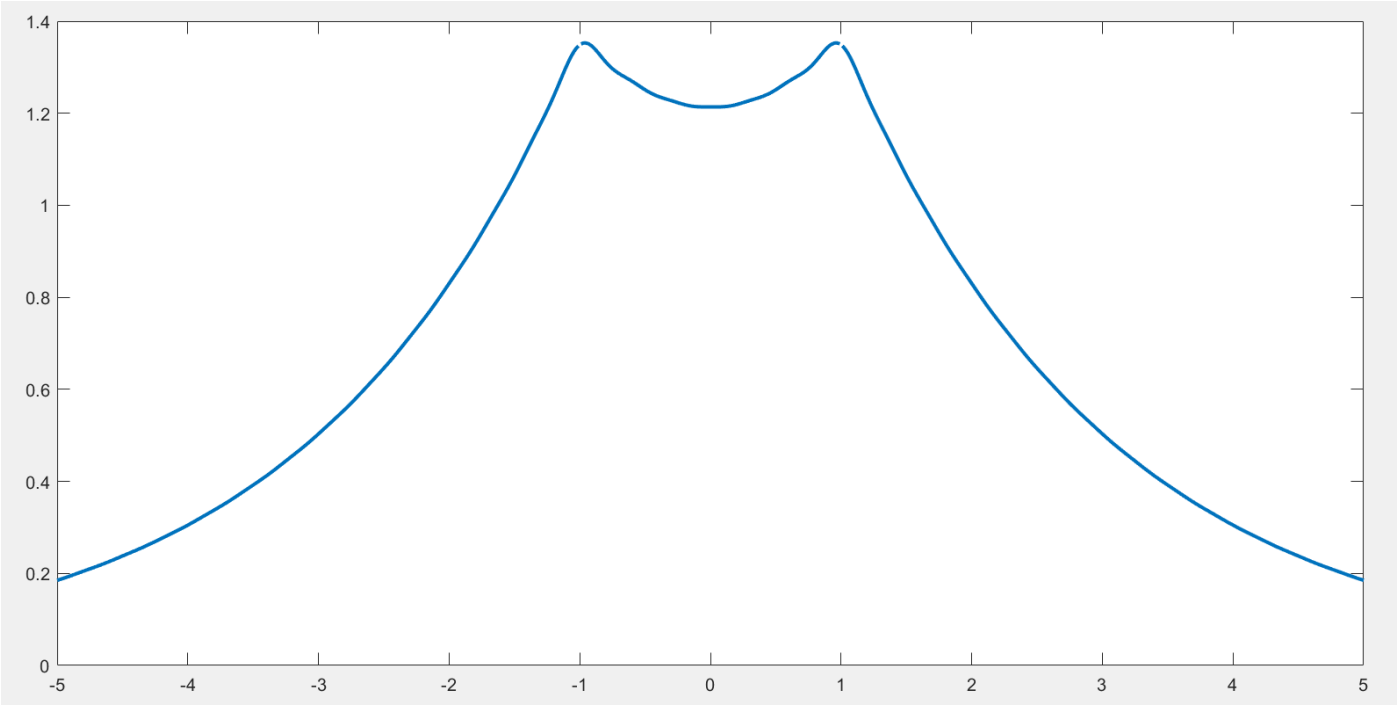
Q5)

R(jw)



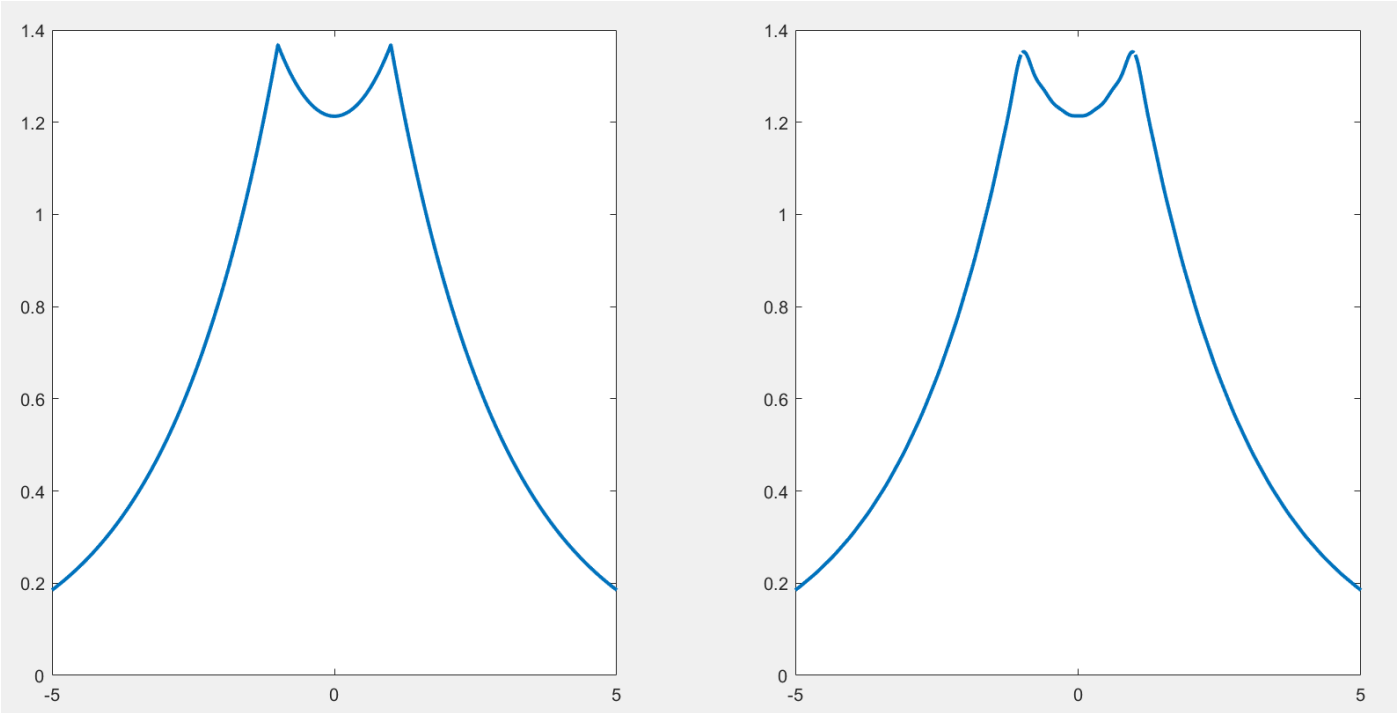
Q6)

r(t)



Q7)

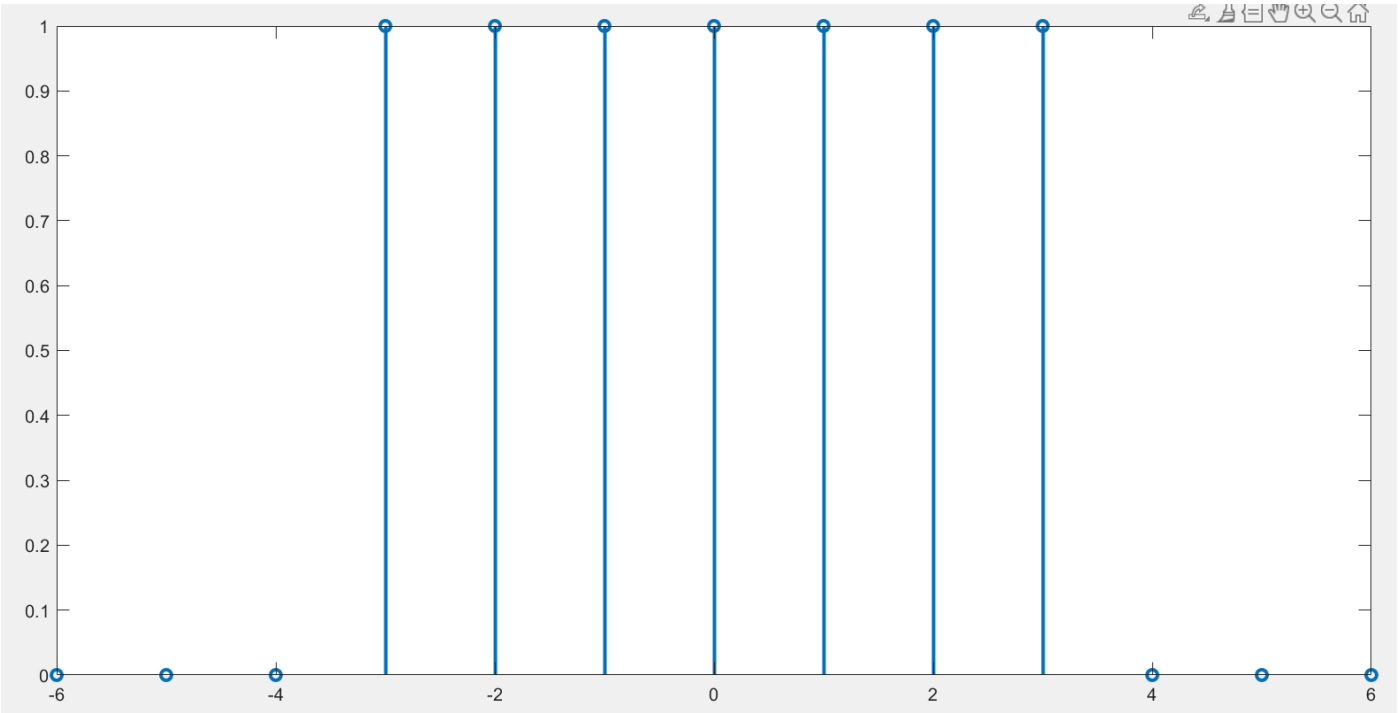
m(t) and r(t)



DTFT OF A RECTANGULAR PULSE

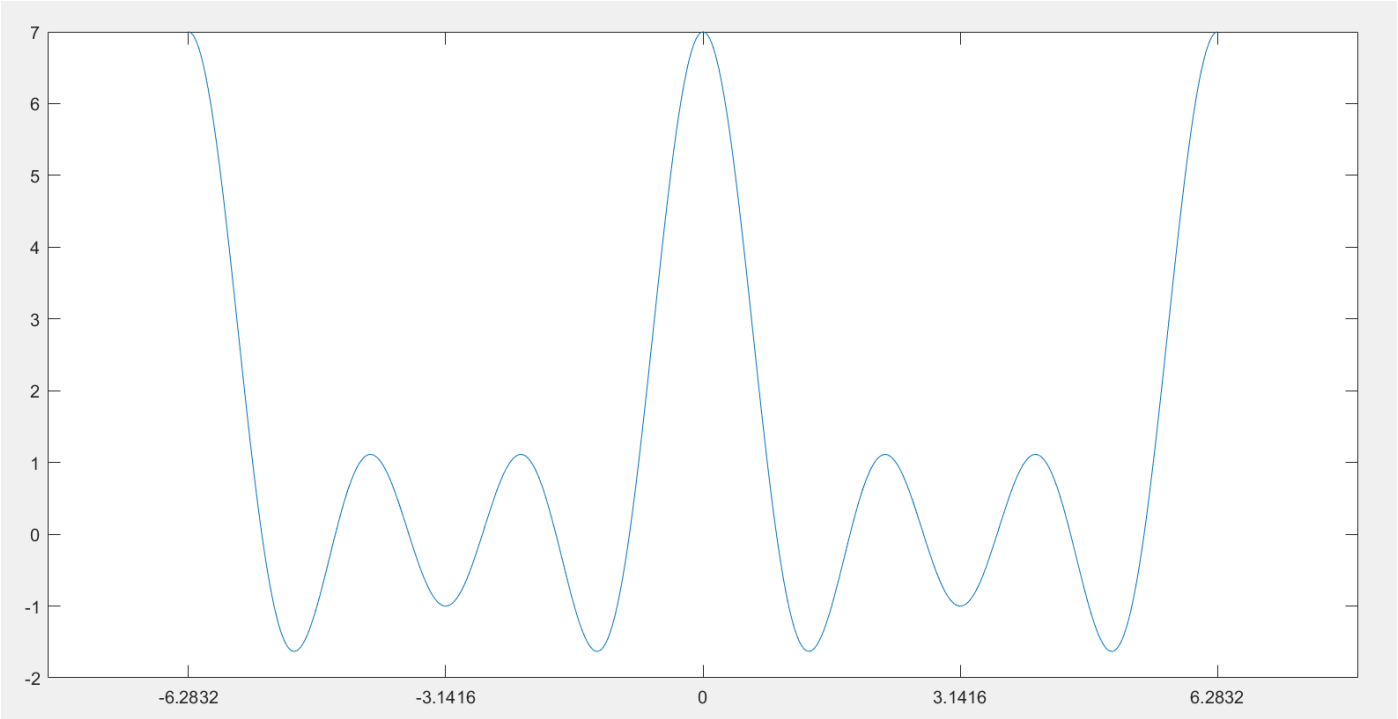
Q2)

x(t)



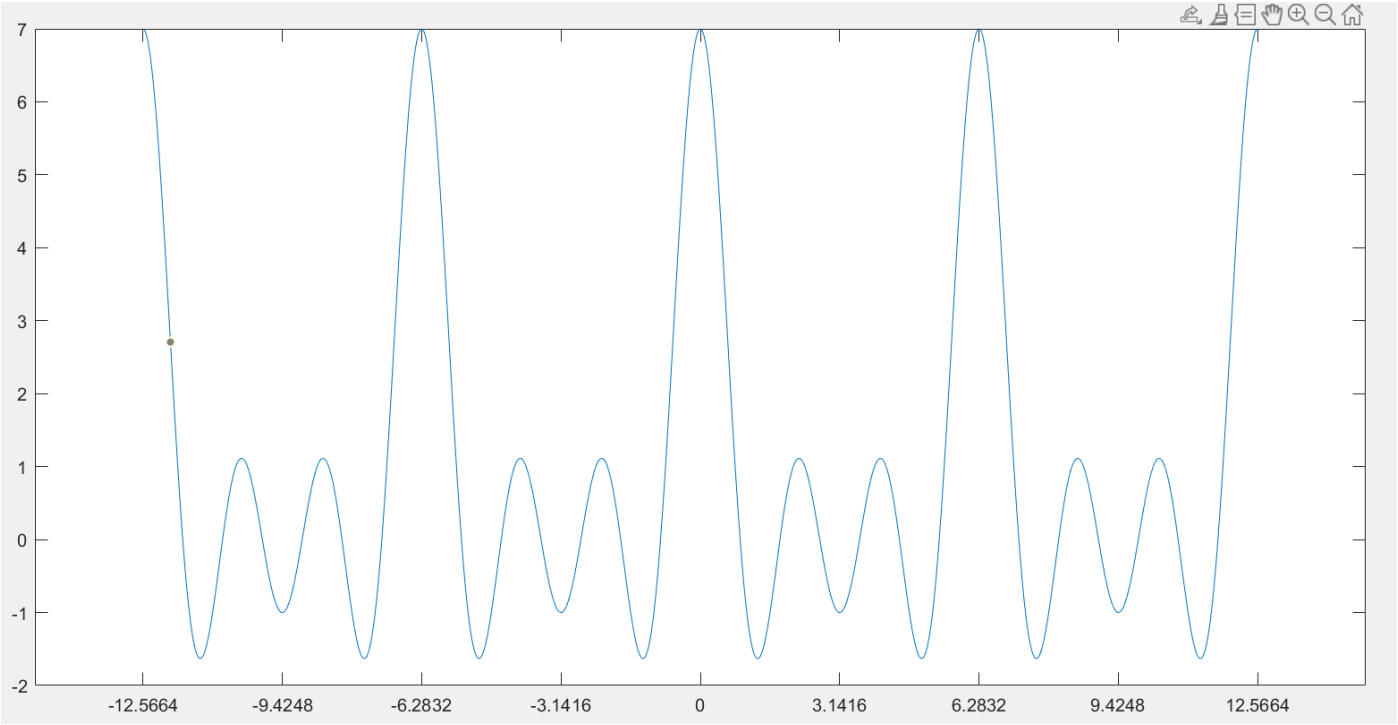
Q5)

X(jw)



Q6)

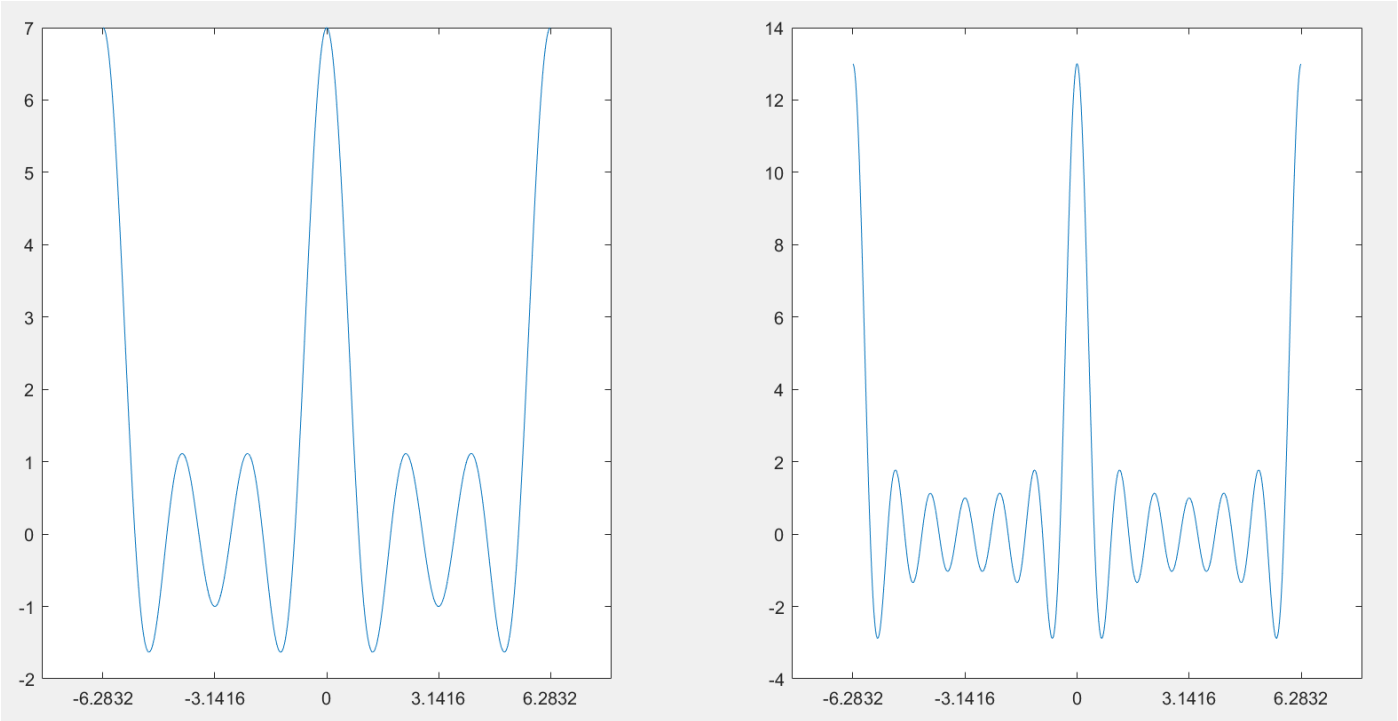
X(jw) is periodic



Q7)

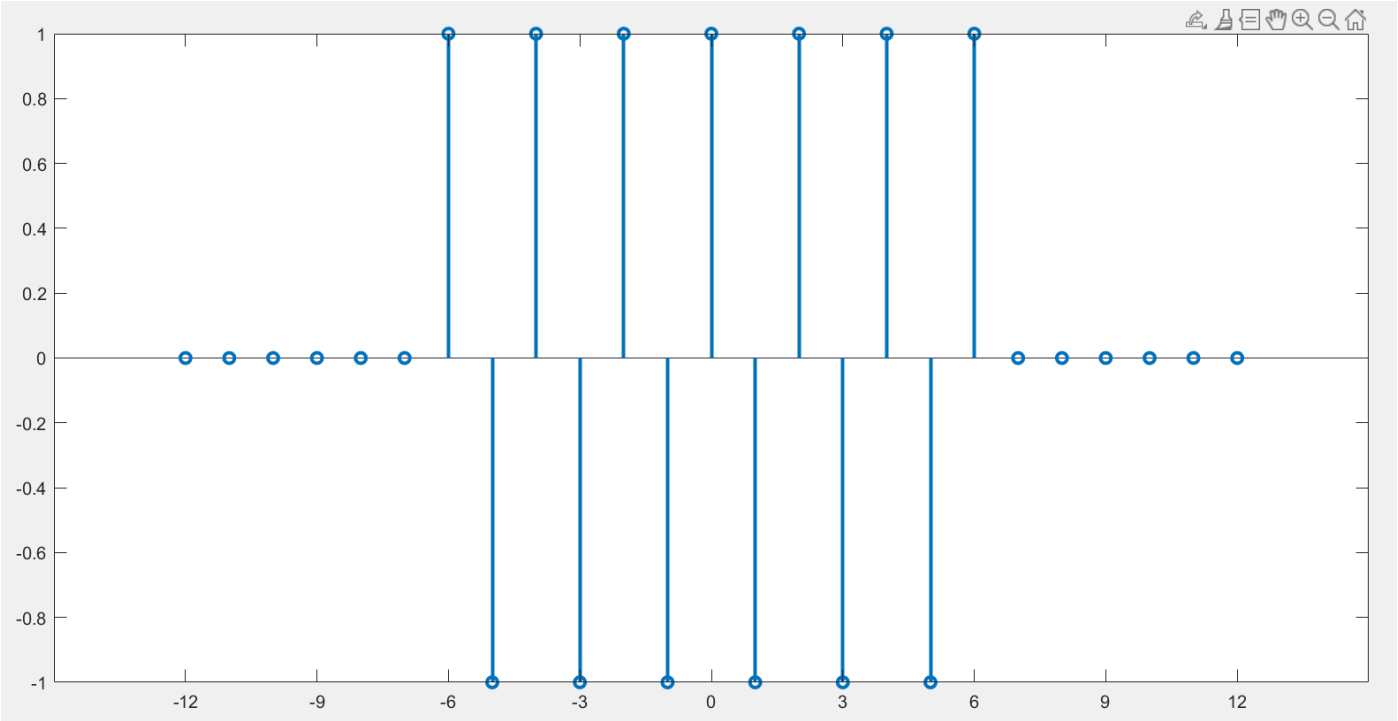
X(jw) at

N=3 and N=6

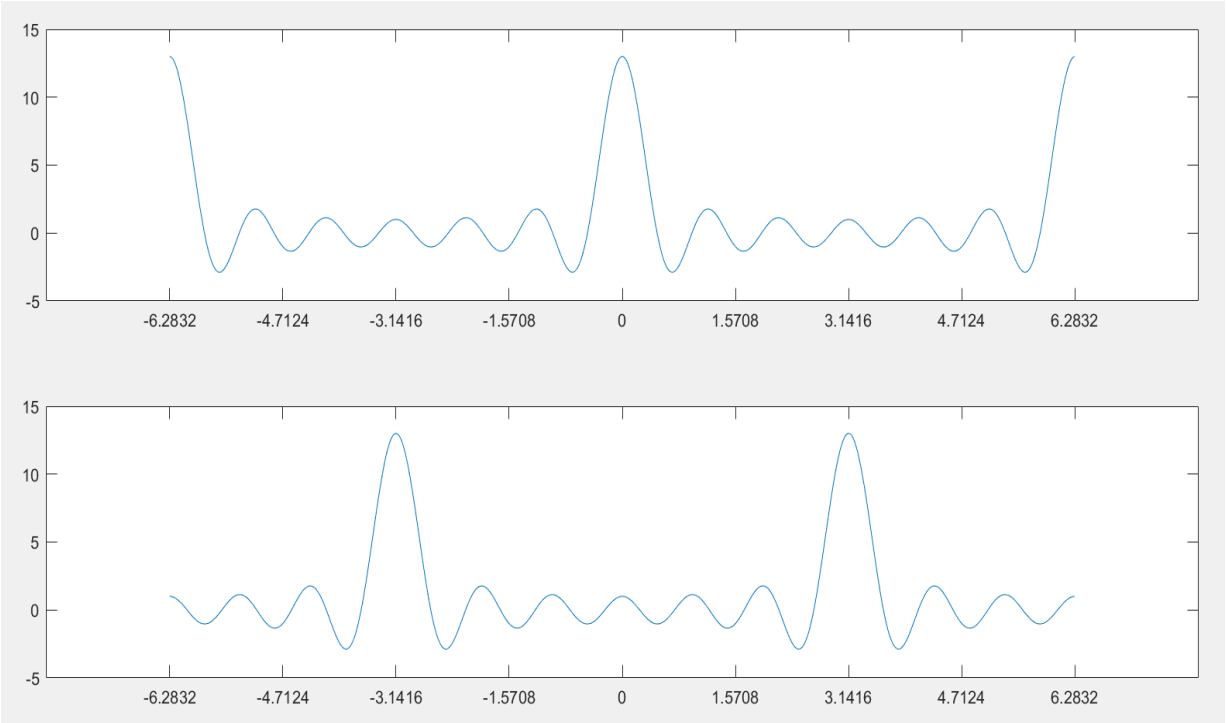


Q9)

y[n], N=6



Q10,Q11)



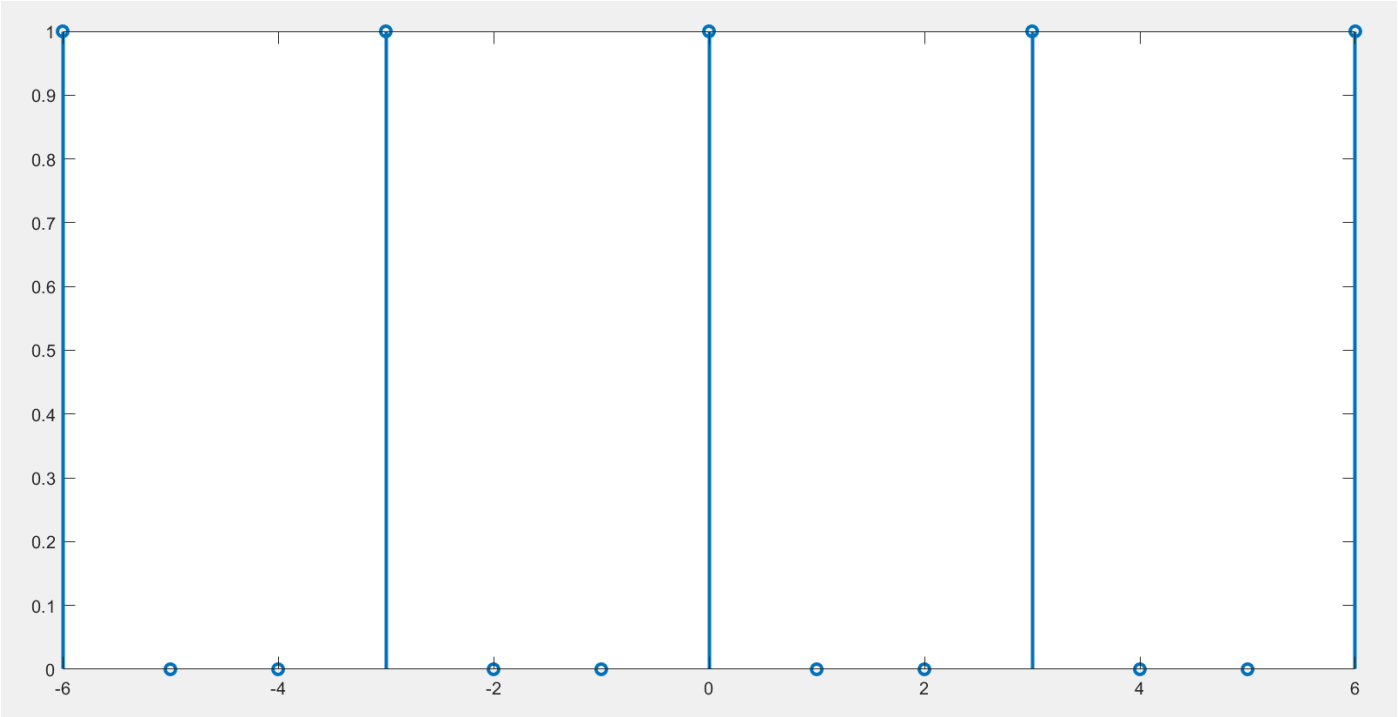
X(jw)

Y(jw)

TIME EXPANSION AND INVERSE DTFT

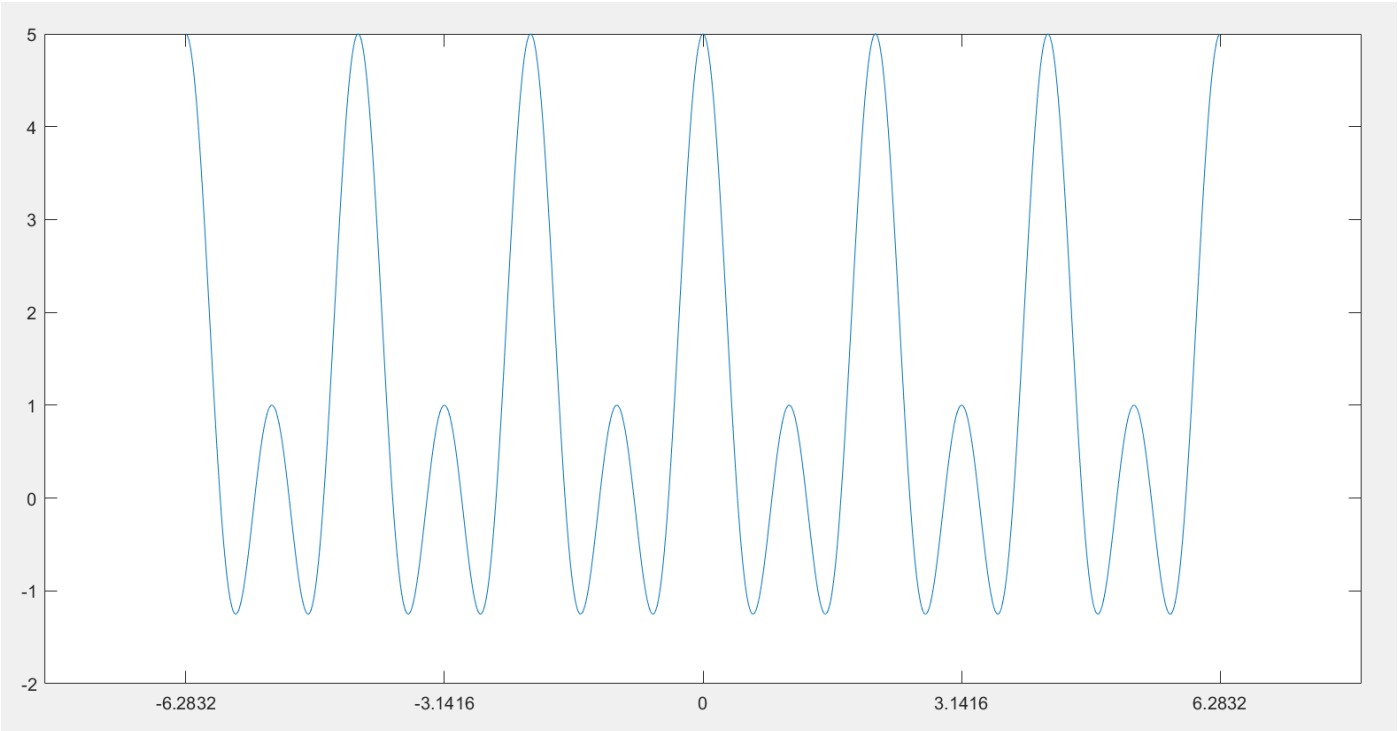
Q3)

$x_3[n]$



Q4)

X(j3w)



Q6)

Inverse of X(3jw)