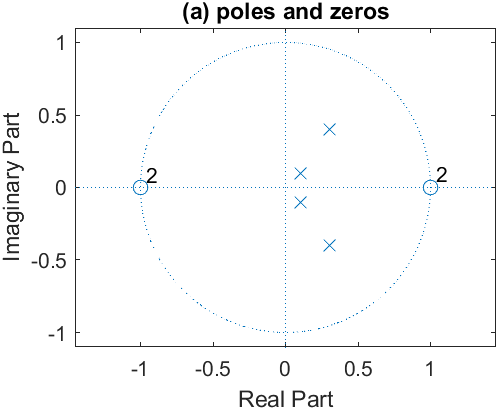
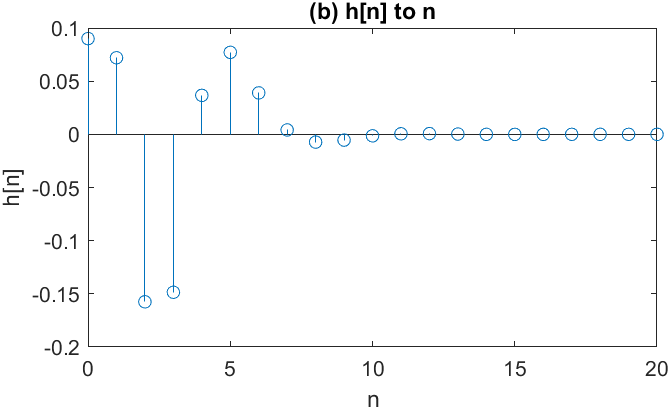
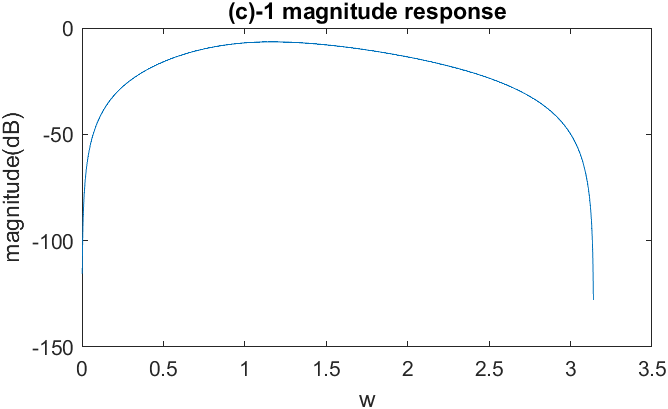
MATLAB Homework 4

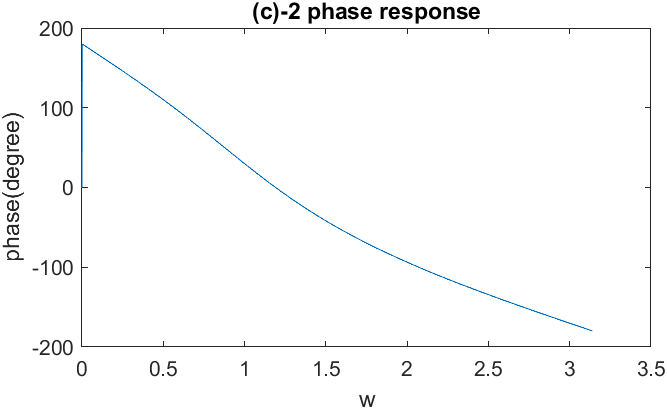
學號 : B10901163 姓名 : 張顥譽



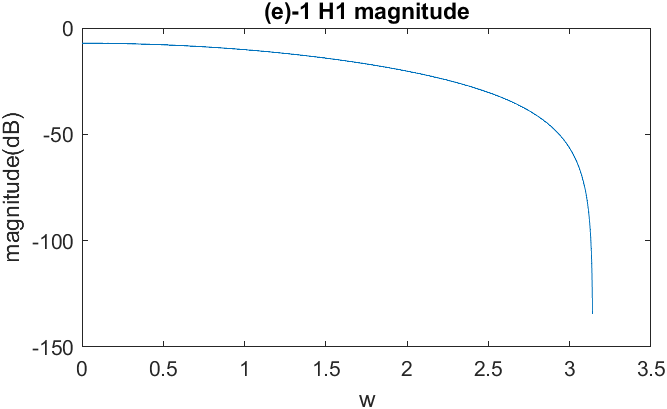
ROC : |z|>0.5

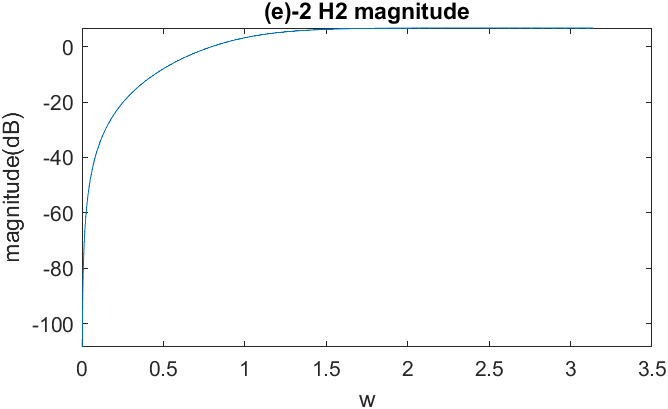


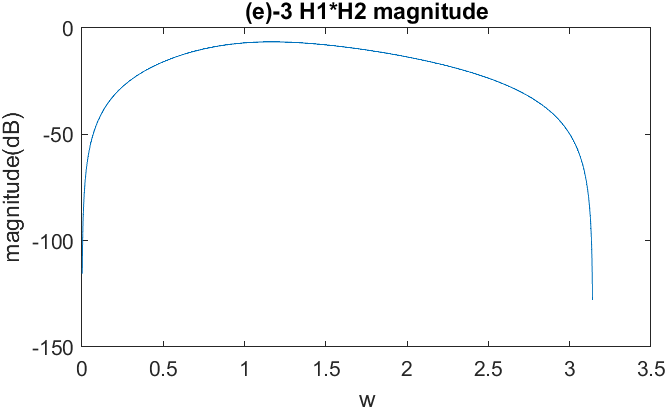




(d)

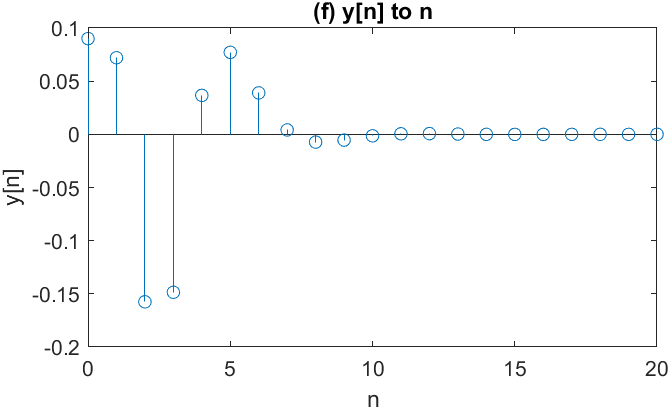






The result of |H1(z)||H2(z)| is the same as the result in (c), because

|H(z)| = |H1(z)·H2(z)| = |H1(z)||H2(z)|



The result of y[n] is the same as the result of (b) because

y[n] = δ(n) \* h[n]

Y(z) = 1\*H[z] = H[z]

y[n] = h[n]