**Signal And Systems MATLAB HW1 Report**

B09901142 電機二 呂睿超

1. X1 vs n



1. X2 vs n



1. y(n) = conv(x1,x2) vs n using eq(1)



1. y(n) = conv(x1,x2) vs n using eq(3)



For question(d)

1. x1 vs n



1. x2 vs n



1. y(n) = conv(x1,x2) vs n using eq(1)



1. y(n) = conv(x1,x2) vs n using eq(3)



It can be easily observed that the two methods which calculates y[n] have identical outputs. Therefore, both methods are feasible.