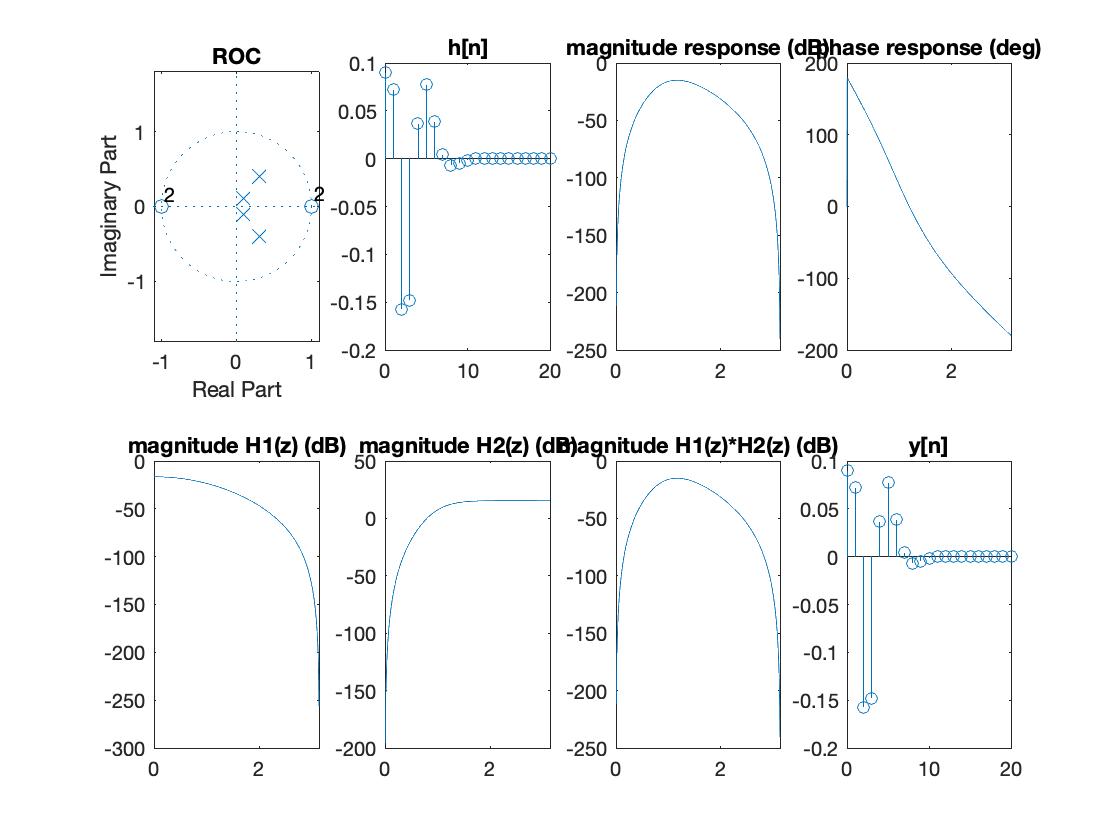
**MATLAB Report 4**

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1. The output figures are below



1. Other analysis
2. For question (a) the outmost pole is mag(z) = 0.3^2 + 0.4^2 = 0.5

(d) For question (d) the representation of two cascade systems is

H1(z) =

H2(z) =

(e) For question (e) the H1\*H2 response is identical with the result of (c)

(f) For question (f) the filtered y[n] is identical with the result of (b)

(不好意思助教，期末考週繁忙一時忘記，拜託助教網開一面少扣點分，不然期末考已經沒什麼分數了，拜託拉拉啦啦啦)