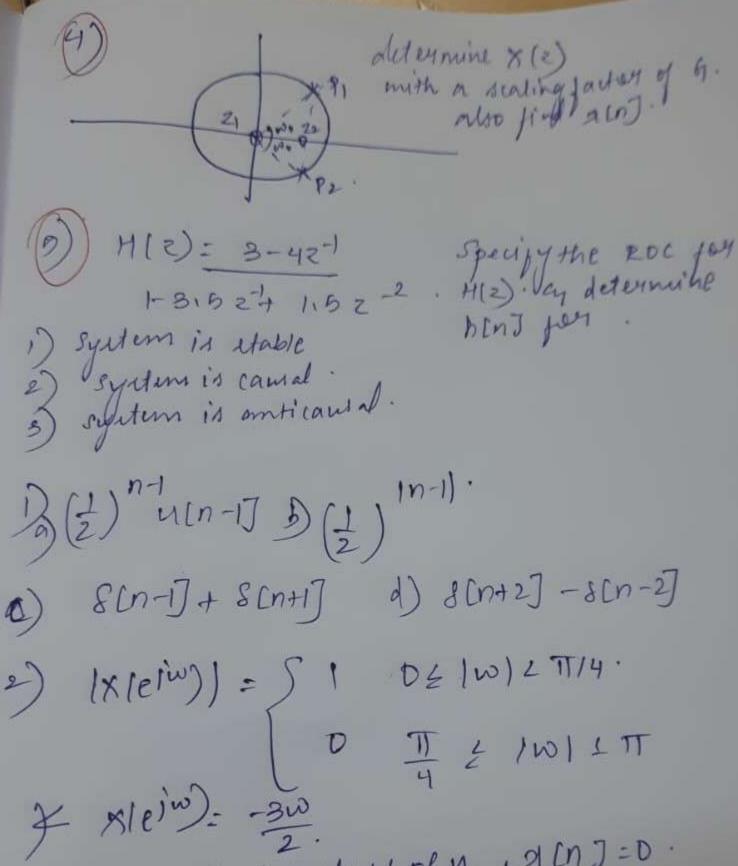
consider the x(n) = anu(n) 191<1 spectrum of this signal is w= 211 K Determine peronstructed exetsu at N=5,50. comment trend of this wast N. (2) prove the Identity. 5 6 [n+un] = 1 N = 2 nikal B XINI is the N paint DFT of XMI], what is to N point
of XINI is the N paint DFT of XMI], what is to N point (compute 8 point DFT of sequence of 1,06067 By detimation in frequency FFT. Also comment on number of multiplication and addition

az + 2 az - 7 8. a 2 - 3 azt x(z) = az-2+2az-7 3a4z4 *(2)(1-AZ-1) = AZ + AZ + AZ-3+ (1) a= (2) -x (2) Danj= namin (3) 0 = namin) (a Duto correlation jun) G acn) = anum) 3) who consists in reg of Prx (7) = = 01(1) 9p (n-1) = x1(2) xx2) x=- atuck] a u[n-k] ler la]= en ¿¿ a ch a ch a ch z



G at what natures of n 12(n)=0.

Datong - Commission alnj= alnj+alnj a) ampute DIFT xilein) axilein) B) part the magnitude of the phase gerburn e) compare the spectrums of xilein) al xilein) find a mathematical delation between them 2) 3/ 91(102+> X1100) other prome = = = 9, [n] 92 (n] = 1 (x1/00) x3/10) do (a:) = (c) = (c-vn, - ~ n < 0) , otherw Lo, otherwa find OTFT.

Venus of an at union x (pin) 13 (-

