Rami Wail Shoula ID: 201600112 XENT -5 -12 -2 0 2 4 n a) XEn-4]; Slift to right by 4:-b) X [3-n] = X [-n+3]; shift to left by 3 then reflect in ylaxis !--2 0 2 1 10 0 c) X[3n] : Scale + by 1/3: (integer multiples of 3) 1012 d) X[3n+1]; shift to bft by I than scale 1> by 1/3. odl: 1/29 $(C) \times [n] = x[n] = x[n] = x[n]$.; same as first sketch of x [n] F)XIn-278[n-2]: shift to right by 2米 delta func., shifted to right by Zi-\$) = X Cn]+1/2(-1) "X [n] 1/20 0 2 0 4

Naneng 461 Assignment Z 3/2 1 1 2 3 2 4 6 3 6) even:-21-6-40-201120 4-6 20 P3 a) XIn]= cos(8=n+2) ; periodic if in x[n]=x[n+N] & fundamental To= 272 wo a) Periodic 6) periodic complex exponential Fundamental period 374 = 72 c) Periodic d) Not Periodic

e) Not periodic , because it is

zero For tro