CLASE 1_ CONSIGNA DE CLASE #A (15 MINUTOS) 1) DETERMINAR ANALUTICAMENTE LOS VALORES DE LIO, FO Y TO (Po, Fo y No EN EL CASO DISCRETO) DE LAS SIQUIENTES FUNCIONES? a) x(t) = SEN (271.1000 + 171) - W0 = 271. FO b) x(t) = SEN (号はナル) - To = 27/wo = 1/fo el x[n] = cos[57,n+江] - x (t) = A. cos (211fo.t+) = A. WS (wo.t+)) d) X[n] = SEN[491n] -x[n] = A.cos [27. Fo. n+p] = A. cos [120.h + 4] a) x (t) = SEN (27, 1000 + 11/4) wo = 27.50 -> wo = 27.1000 = 200071 rad 5 CONTINUA To = 1 = 1 = 0,001 s = b) x(+) = SEN (3+ +2) Wo = 27. fo - wo = 2 ma/s CONTINUA 271. Fo = 3 - Fo = 1 HZ To= 1 = 1 = 372 Se elxEnj=cos[五加十型] DISERETA DO = 271. FO - DO = STE PAD/ATTRA $\Rightarrow F0 = \frac{\Omega_0}{2\pi} = \frac{5\pi}{4} = \frac{5}{8} \text{ CCUOS/MTRA}$ $-N_0 = \frac{2k\pi}{\Gamma_0} = \frac{2k\pi}{5} = \frac{16\pi \cdot k}{5} \mu \pi \Lambda \Delta S$ K=1 -> NO = 1672 MMAS

 $R = 1 \rightarrow No = \frac{1}{5}$ $No = \frac{2k\pi}{30} = \frac{2k\pi}{24\pi} = \frac{1}{2}k$ $k = 1 \rightarrow No = \frac{1}{5}$