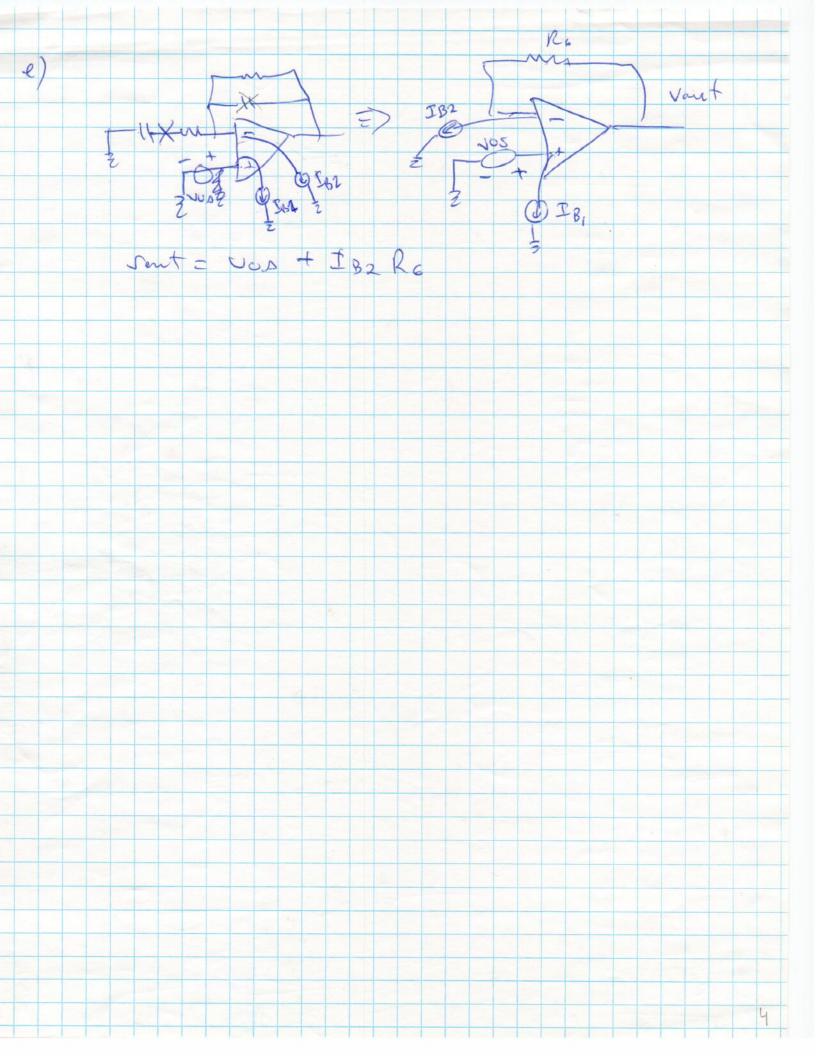


Question 2 a) SNBO = SNR; +TRME TAME = 60 ds - 20 log In Upp = 86 ds b) il faut R2= Ry et R2R3 -> Ad = R2 R2 = Ry = (KSZ R = Rg = 1052 TRMC= 20 log Ad tom = (The) = 50 ×10 6 V/V O) O, sd St Vd= I2Ns+ I2R, von & 20 ho my 23 2 Ry I = rd/(200 + 2M) N= 2.2R, = val (2ns + 2ni) 2 R. 2 20 mV 2. 10 = 0000 V (2,10+2,100) -> Vo 2 100. The 2 000 o utiliser l'anyth pratter d'instanuntation à Zin = 0. vo = \_ R6 // /AC6 = Scs + hg e - Ac AC5 who = 1/c, R = 10 mf. 1542 52 who = 1/c, R = 10 mf. 1542 52



500 Ultz SKITZ SOULITZ Ta) = T( (2) - T2(2) - 2/0 ds/dec - go de du a) Tron= ak 6, 6, /e2 s2+ s(G1+G2(2-K)/e+G6e  $R = R_2 = R_3 = \frac{1}{2}$   $R = \frac{1}{2}$  RRy= (2-1/Q)Ra = 186452 C=10nf. a = 1/K = 0,63 K = 1 + RB = 1 + 18692 = 1,59
Ra 3183 T(0) = (205.5 KHZ)2 DZ + 217.5 WHZ 7 (217.5 WHZ)2

= (1+) (31 (1+0)(1+0+2) (277.5 K(12) (wo + s) (wo2 + swo + 52) uo = up (1/E) 1/N = 5x1+2 (1/1,47) 1/3 = 1,13 KHZ (11) S

