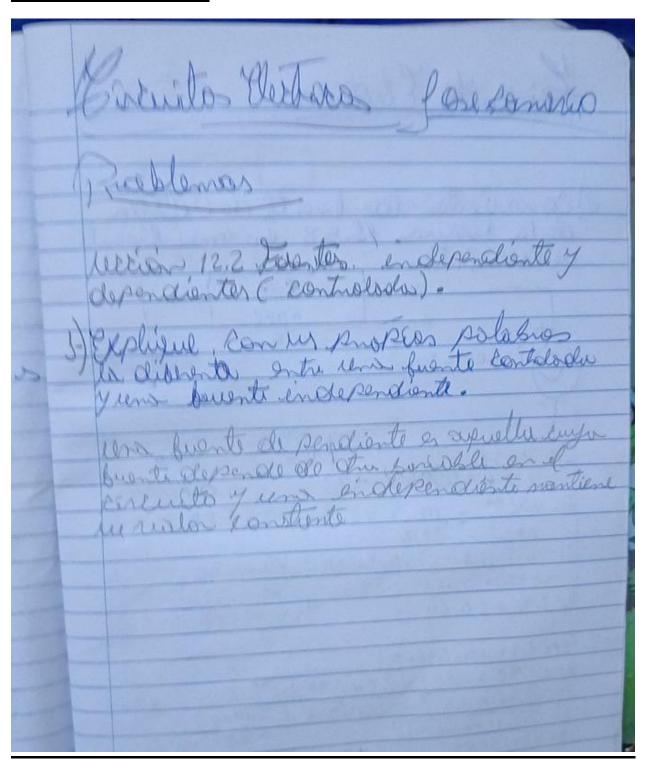
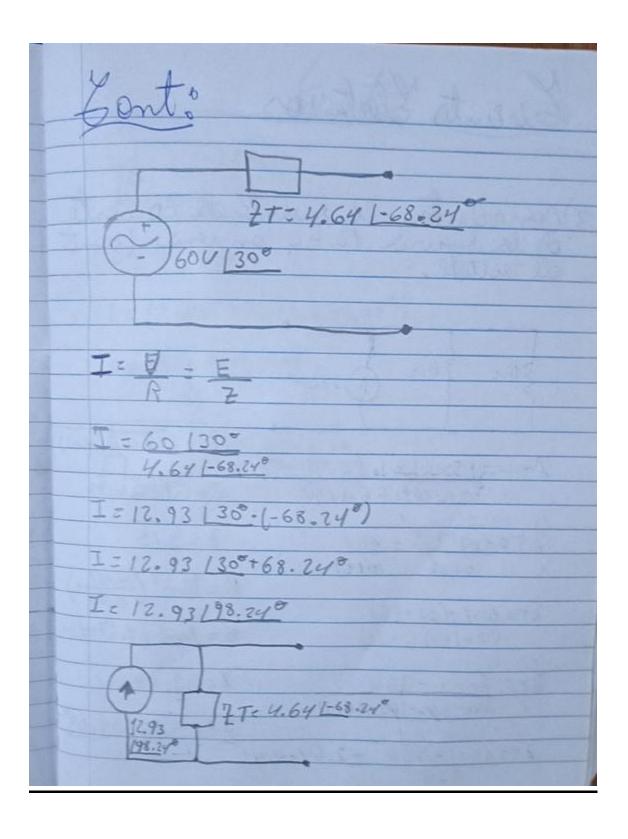
Capitulo 12

<u>1-2-3-4-5-6-7-8</u>



Gircuito Electrico 2) Consuerts la buente de Voltye de la signi 12.58 en une Buente de corriente. 22 ell E=600 L30 ZF (2n) bri (90° Z= 10190 - 10 7-1=(10).(2-15) =(10)+(2)(5)=20+10 (2+15).(2+5) 29 29 2-1.72+1.6.69 200 1.72 +0.691-51 27 = 1.92 + 4.31 = 4.64 (-68.24)
27 = 4.72) 2(4.31) 0=ton (4.31) Ze UZ1.5345 0 - tim' (2, 505) 7.24.6 Ø = -68.24



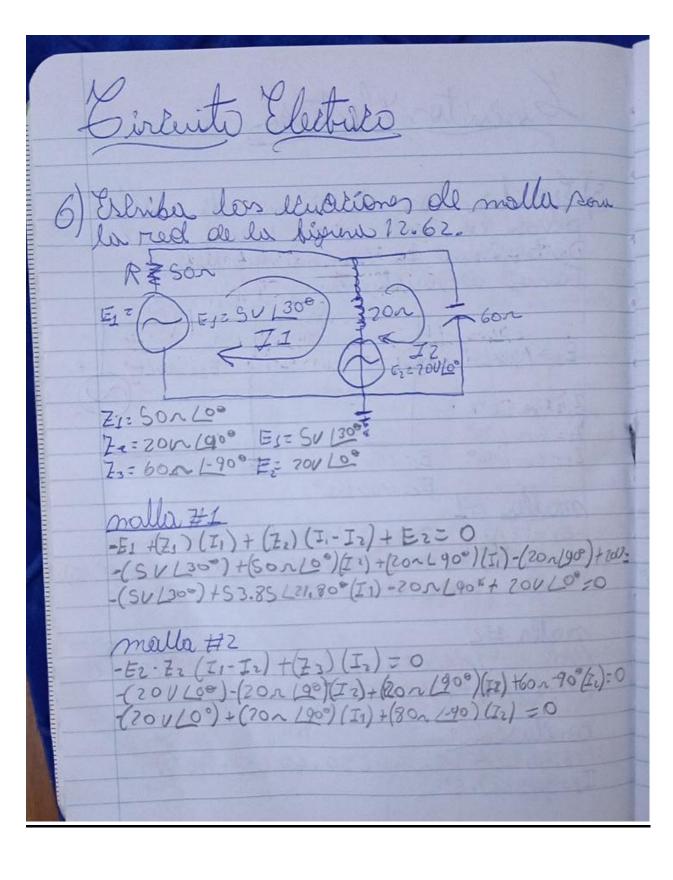
Lirento Eletricos 3) Consciente la buente de consente de la bijura 12,54 en uma fuente de voltagle. 1 2 A LOS 7 = 0(2.64)3(441) ZT = (102 Lo). (62 (90°) Ze V26.4197 LON 100 + 62 L90 2 = 5.15 7-T=60190 = 601 D= ton1 (4.41) 2T=601.(10-16) 80 = tomil & 1.670/9 8 = S.9. 09 27 = 6001-360 ZT= 5.15 (54.0) 7 126001-360 -2.64+4.41

(A) ZALIZO 5.15 L51.01 E = I. Z + E= (2 (120°) (5.15 (59.09°) E= 10.3 1179.098 13(4.41)2 EJ0.3/199.09 ZTES.15159.098 1177 12 mil 1.41 670454) 59.09

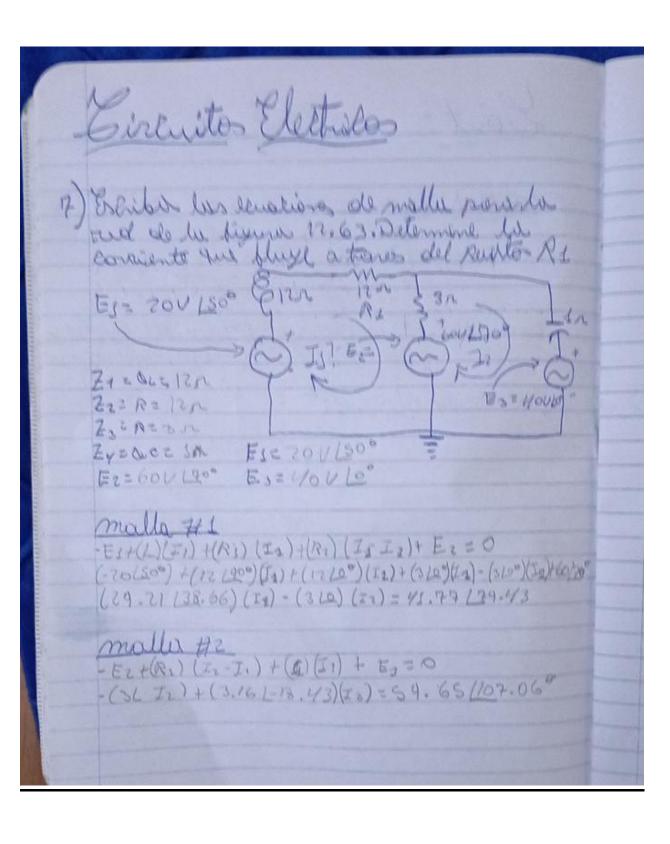
Sirevitos Electricos 4) donnierte la buente de voltage de la signora 12.60 (a) en sens buente de corriente y la suente de corrient de la sigura 12.60 (6) enuena buente de realtige 442 A & Som N = 16) R= 4000 n = 4 x 103 n IzsohI V216MV=16x106V RE SORn I = V - 16 70106 V = R 470103 A

= (4 x103 V) A UZ I (R) = SOH I (SOKA) (1/4×10°1) A & 4Kn 12 (2.5×106 I) V AI - (2.5×1065)

Girentos Electricos exterminar la corriente que Muje a Fores del purter A E1=10110" To Els How Loo 22= 61 / 90° E3= 8-1-90° E1= 101/0° E25404/600 -E++(I,(Z1)+(Z1) (I1-I1)=0 11 11 11 (7.21156.31)(II) + (6190)(I2) = 10 L00 (40 L600) +(6(900) (Iz)-(6(20) (I1) + (8(90°) (Iz)=0 (6 (90°) (I1) + (2/90°) (I2) = -40 (60°) Conclusion: (48.66 19.26) I, = (250.60 [33.96") I1=5.151-29.50 -



Sont: Conclution: (2)(23) + (2)(23) + (2)(22) IR= 600, 600 + 2001 48 + 200 600 (2006 600 - 40) 20V (500 200) (60 600) + (500 600) (2006 900) + (6006 900) + (6006 900) IR= 0.44 A L143.480 +1 1-1-1 The Marie L.)+200= The state of the s 2):0



(60-70/20.70) (Iz)-(4.48[-18.43)=/31.94]-118 (910) (I)+(4.48[-18.4) (Iz) = 178.85 L/09 (64.224-117.65) I, = 132.31 L756.4 II= 2.55 1132.720 IR= 7.55 /132.720

Sirento Electricos 8) Erbiba les levationes de mallos para la red de la higure 12.64 Determine la conviente que bluye à trovos del Ruirton As E/=600Lã Ei Intlan 72 12 +1-900 Z2600.290 ZY 2012-0100 25 Bn. Lo Es 6007 0 E2 1700 L1200 mall. E1=(I1) (ta)-(I1) (Z1) + (I)(Z2)=0 601 (0° (S-36.87) (I1)+ (12-900° (I1)+ (In)+

malla ? (I) (I) (I) (I) -(I)(24) +(I)(24)=0 (2x 100) (2x) +(1x2-905) (6x298)(2)malla 3 Is/(24)+ (2)(24)-(5)(25)(ED)=0 (2x 4-90) (ID+ (201-90) (Id) + (BALO) ID-170 1/2000 condución: In- 13.09A 1-30.91+ IRO IB= 13.09 A 4-83,718