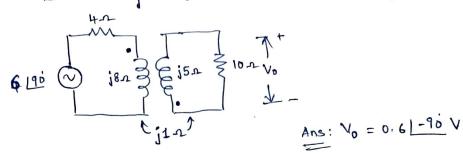
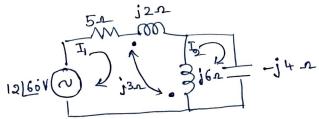
BASIC ELECTRICAL SCIENCES Assignment-5.

D' Deter mine the Voltage Voin the circuit. Figl.



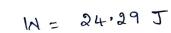
For the circuit shown, Frg2, determine the phasos currents (2) I, & I2.

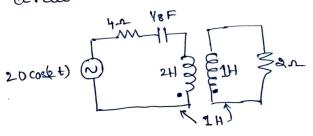


And: I = 1.966 [25] Angs; I2 = 2.949 [25] Amps.

3 Determine the coupling coefficient and the energy circuits at t = 1.5 sec Stored in the coupled

" = -31916 Amp. 12 = -1.845 Amp 





- following circuit shows a parallel R-L arrange connected across 2004, 50 Hz Ac supply. Calculate The (a) current drawn for the supply
  - (b) Apparent power drawn from Source
  - (c) Real power drawn from source
  - (d) Reactive power drawn from source

Ans: (01) 11.18 A (b) 2.236 KVA

(c) 1KW

(d) 2KUAY

