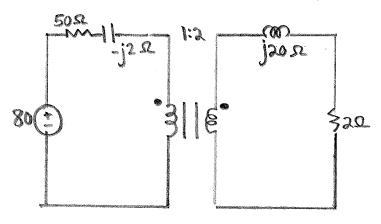
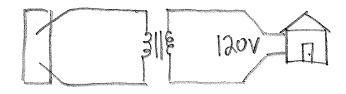
Determine 16 in the following circuit:

25 1) 1603 8 JUNE IZ \$12 Vo

2) Find the power obsorbed by the 252 resistor in the following ckri



- 3) The three-phase system of a town distributes power with a line voltage of 13.2 kV. A pole transformer connected to Single wire and ground steps down the high voltage wire to 120 Vrms and server the house as shown below.
 - a) Calculate the turns ratio of the pole transformer to get 120 v.
 - b) Determine how much current a 100-W camp connected to the 120-V hot line draws from the high voltage line.



- 4) A 4800-V_{ms} transmission line feeds a distribution transformer with 1900 turns on the primary and 28 turns on the secondary. When a 10-2 load is connected across the secondary, find:
 - a) the secondary voltage
 - b) the primary and secondary currents
 - c) the power supplied to the load