

ET-350/L Motors and Generators
Ch. 6 Transformer Worksheet

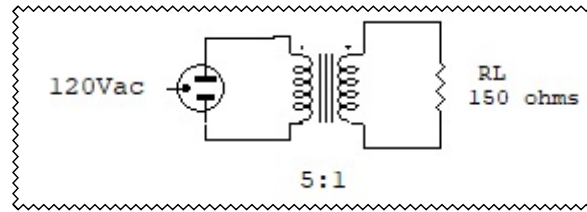


Fig. 1

For the circuit in Fig. 1; calculate the following:

1. Calculate the turns ratio:
2. Calculate secondary voltage:
3. Calculate secondary current:
4. Calculate primary current:

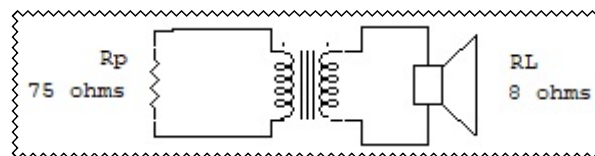


Fig. 2

5. For the circuit in Fig. 2; calculate the turns ratio of the transformer so as to match the impedances.