

NAME _____

1. Transformers have the capability to convert AC to DC.
 - a. True
 - b. False
2. Transformers have the capability step up or step down DC voltage.
 - a. True
 - b. False
3. Isolation Transformers are a special type of transformer whose turns ratio is 1.
 - a. True
 - b. False
4. Eddy currents are produced when voltage is induced in the core material by changing magnetic flux in the core.
 - a. True
 - b. False
5. Transformers are rated in
 - a. W
 - b. VAR
 - c. VA
 - d. V
6. If the current in the secondary is lower than in the primary, the transformer is a
 - a. a step-up transformer
 - b. an isolation transformer
 - c. a step-down transformer
 - d. not enough information to tell
7. What is the turns ratio (n) of a transformer that has a primary voltage of 480V and a secondary voltage of 12,470V?
 - a. 10
 - b. 36
 - c. 21
 - d. 26
8. Determine the maximum load current of a certain transformer rated at 48KVA if 1200V is the secondary voltage.
 - a. 50 A
 - b. 40 A
 - c. 30 A
 - d. 25 A

9. Determine the minimum load resistance of a certain transformer rated at 48KVA if 1200V is the secondary voltage.
 - a. 50Ω
 - b. 40Ω
 - c. 30Ω
 - d. 25Ω

10. Determine the efficiency of a transformer that has a power output of 5W and a power input of 6W.
 - a. 95%
 - b. 90%
 - c. 62.3%
 - d. 83.3%