Transformer Example

Name: _____ Date: _____

1. A transformer is made to convert 20 V AC to a higher voltage. The current in the primary side was found to be 6 A and on the secondary side it is 2 A.
   a) Calculate the secondary voltage as well as the secondary number of coils if there are 50 primary coils.

   b) Calculate the power on both sides as well.

c) Calculate the resistance, R, in each of the coils.