Name _____ Date_____ Mods_____

Blizzard Bag Day #2

Justify answers, showing work or explaining.

1. A color television has a rating of 325 W.
    a. What is the current through the TV when it's plugged into a 120 V outlet?

    b. What is the effective resistance of the TV?

    c. How many electrons pass through the TV during a 15 minute period of operation?

    d. If your electric companies rate is $0.07/per kW •hr, how long does the TV need to be left on to accumulate a cost of $2.00?