

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

ID: A

HOMEWORK Handout - Article 310 -  
2nd. Year Code Quiz 2

Antonellis

Essay

1. Thirty 12 AWG THHW aluminum current-carrying conductors are installed in the same conduit in a wet location area with a 30°C ambient temperature. What is the allowable ampacity of each conductor?
2. Two 8 AWG THHN and two 4 AWG TW copper current-carrying conductors are installed in the same rigid metal conduit, Type RMC, in an area with an ambient temperature of 30°C. Find the allowable ampacities of the 8 AWG THHN and the 4 AWG TW conductors.
3. Nine 10 AWG THWN copper current-carrying conductors are installed in a 1-in. conduit, Type RMC, in an area with an ambient temperature of 45°C. What is the allowable ampacity of each conductor?