Computer Architecture

Tutorial 1 – Boolean Algebra

1) Write the Truth Table for the following Boolean expression: $R = A \bullet B + C'$

2) Simply the following Boolean Expressions to its simplest form

   a) $R = A + A' \bullet B$
   b) $R = A \bullet (A' + B)$
   c) $R = (A + C) \bullet (A \bullet D + A \bullet D') + A \bullet C + C$