Name: Id#

COE 202, Term 131

Digital Logic Design

Quiz# 2

Date: Thursday, Oct. 3

# 

# **Q1**. Simplify the following Boolean functions to the **minimum** number of literals sum-of-product expressions using algebraic manipulation:

## *x’ y’ z’ + x’ y’ z + x’ y z + x y’ z + x y z*

## A B C’ + A’ C’ D + A B’ C’ + B C’ D + A’ D

**Q2**. Express the function as:

## Sum of minterms

## Product of maxterms