Name: Id#

COE 202, Term 132

Digital Logic Design

Quiz# 2

Date: Tuesday, Feb. 25

# 

# **Q1.** Prove the identity of each of the following Boolean functions using algebraic manipulation. Start with the left-hand side expression and derive from it the right-hand side expression.

**Q2.** Given the Boolean functions and .

## Give the *algebraic* sum of minterms expression for *F*.

## Express the function *G* as a sum of minterms,

## Express the function *F.G* as a sum of minterms,

## Express the function *F+G* as a product of maxterms,