

Name:

Id#

COE 202, Term 121
Digital Logic Design

Quiz# 2

Date: Wednesday, Sep. 26

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

(i) $\overline{W}X(\overline{Z} + \overline{Y}Z) + X(W + \overline{W}YZ)$

(ii) $\overline{\overline{(A + \overline{B} + C)} \cdot (\overline{AB} + \overline{C} \overline{D}) + \overline{ACD}}$