

Name:

Id#

**COE 202, Term 112  
Digital Logic Design**

**Quiz# 2**

Date: Monday, Feb. 18

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

(i)  $A D' + A' B D' + A' C D' + B' C' D'$

(ii)  $\{ [(A B)' A]' [(A B)' B]'\}'$

(iii)  $(A + B + C)(A + B + C')(A' + C')(B + C')$