ECE 273 QUIZ3

Nume:

Honor Code:

KEY

1. Write all consensus terms for

abc, abc + abc + ab'c + c'de + a'b'f abc, a'bc $\rightarrow bc$ a'bc, c'de $\rightarrow a'bde$ ab'c, c'de $\rightarrow ab'de$ abc, ab'c $\rightarrow ac$ a'bc, a'b'f $\rightarrow a'cf$ ab'c, a'b'f $\rightarrow b'cf$ abc, c'de $\rightarrow abde$

- 2. Eliminate 1 term VIA the conseises theorem: (A+B+C)(A+B+D)(A+B+D')(C+D')
 - · The consensus of (A+B+D), (C+D') is (A+B+C)

alternatively,

The consensus of (A+B+D)(A+B+D') is (A+B)
and this can be used to eliminate
(A+B+C)