ECE 273 - QUIZ 4

NAME:

Honor Code: KEY

ANSWER TRUE or FALSE

F 1. $ab'c' + ab'd = ab'c' + ab'd + ac'd$

CONSIDER $a=1 \quad b=1 \quad c=0 \quad d=1$

LEFT SIDE = 0

RIGHT SIDE = 1

T 2. $(a+b+c')(a+b'+d) = (a+b+c')(a+b'+d)(a+c'+d)$

CONSENSUS THEOREM

T 3. IF f IS A FUNCTION OF A, B, C AND D THEN $M_0 = A+B+C+D$

T 4. IN GENERAL, $m_i = M_i'$

F 5. THERE ARE 15 DIFFERENT MINTERMS FOR A FUNCTION OF 4 VARIABLES.

THERE ARE 16.