

Q1. (3 points)

F1 =

F2 =

A	B	C		F1	F2
0	0	0			
0	0	1			
0	1	0			
0	1	1			
1	0	0			
1	0	1			
1	1	0			
1	1	1			

Q2. (6 points)

Q3. (5 points)

Q4. (15 points)

a) $(A + B)(A + B')$

Law used for reduction

b) $ABC + A'B + ABC'$

Law used for reduction

c) $A'B' + A'BC' + (A + C)'$

Law used for reduction

d) $A'B'C'D' + AB'C' + AB'CD' + ABD + A'B'CD' + BC'D + A'$

Law used for reduction

Q5. (6 points)

a)

b)

