Answer to the question no. 2

$f(A, B, C, D) = \Sigma(0, 1, 2, 5, 11, 13)$

A	B	C	D	Y	
0	0	0	0	1	} f = 1
0	0	0	1	1	
0	0	1	0	1	} f = $\overline{D}$
0	0	1	1	0	
0	1	0	0	0	} f = D
0	1	0	1	1	
0	1	1	0	0	} f = 0
0	1	1	1	0	
1	0	0	0	0	} f = 0
1	0	0	1	0	
1	0	1	0	0	} f = D
1	0	1	1	1	
1	1	0	0	0	} f = D
1	1	0	1	1	
1	1	1	0	0	} f = 0
1	1	1	1	0	

$$AB \backslash CD$$

AB\CD	00	01	11	10
00	1	1	0	1
01	0	1	0	0
11	0	1	0	0
10	0	0	1	0

$$Y = A'B'C' + A'C'D + BC'D + A'B'D' + AB'CD$$