1) 98273 | 13 | 6
7559 | 13
581 | 13
45 | 3
3 | 0

	ostatak
98273/13 = 7559	6
7559/13 = 581	6
581/13 = 44	9
44/13 = 3	5
3/13 = 0	3

$(98273)_{10} = (35966)_{13}$

2) $(\neg A + C)(AB + \neg A\neg B + AC) = \neg AAB + \neg A\neg A\neg B + AAC + ABC + \neg A\neg BC + AC = 0B + \neg AB + AC + ABC + \neg A + \neg A\neg B + ABC + \neg BC + AC = \neg A + \neg A\neg B + ABC + \neg BC + AC =$

$= \neg A \quad C(AB + \neg B)$

$= (\neg A + C)(AB + \neg A\neg B + AC) = 0B + \neg A + \neg A\neg B + 0C + ABC + \neg AC + \neg BC + AC =$

$\neq \neg A(\neg A + \neg A)$

$= (\neg A + C)(AB + AB + AC) =$

$= 0B + \neg A +$

$= 0B + \neg A\neg B + 0C + ABC + \neg A\neg BC + AC = \underbrace{(\neg A\neg B) + (\neg A\neg BC)}_{\neg A\neg B} + \underbrace{(AC) + (ABC)}_{AC} = \neg A\neg B + AC =$

$= \neg(AB) + AC$

3)

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

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

$\neg A\neg BD + \neg ABC + AB\neg C + A\neg B\neg D$

A	B	C	D	F
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0