Question 1: Finding simplified SOP   Fill in the KMAP and find the simplified SOP expression for the following function:

A	B	C	Y
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	0
1	1	0	1
1	1	1	1

Equation:

BC

A

	00	01	11	10
0	0	1	3	2
1	4	5	7	6

Question 2: Reading K-Maps   Read the following KMaps and write down the corresponding equation for each.

CD

AB

	00	01	11	10
00	1	0	0	0
01	1	1	1	0
11	1	1	1	1
10	1	0	0	0

Figure 1: K-Map 1

CD

AB

	00	01	11	10
00	0	0	1	1
01	1	1	1	1
11	1	1	0	0
10	0	0	1	1

Figure 2: K-Map 2

2.1. Equation:

2.2. Equation: