CS 231 Worksheet

1. What is D-Flip flop and T-Flip flop circuits?

2. Determine if the following statements are true or false about K-Maps.

1. Cells can be grouped diagonally.
2. Groups should be as large as possible.
3. Group sizes should be the power of 2.
4. Overlapping is not allowed.
5. Wrapping around is not allowed.

3. Group the following K-Maps correctly and show final equations. For some of these problems there is more than one way to group, so as long as the final equations are the same, then you will have group them correctly.

A\B	0	1
0	1	1
1	0	1

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

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

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