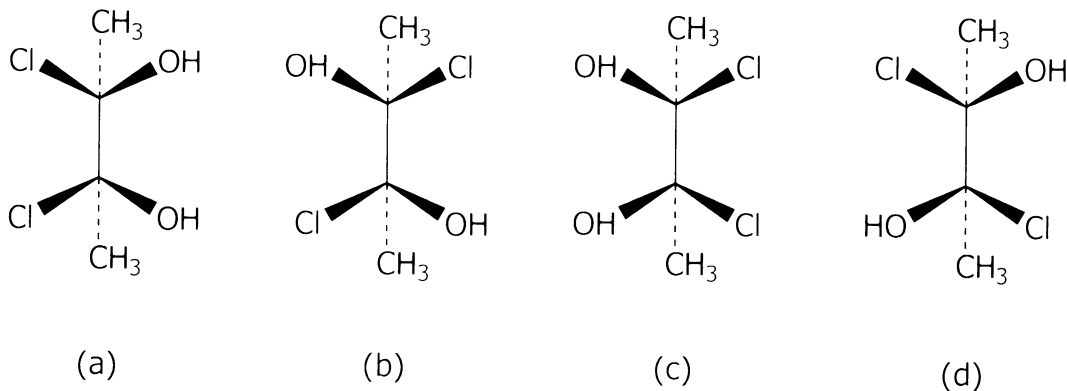


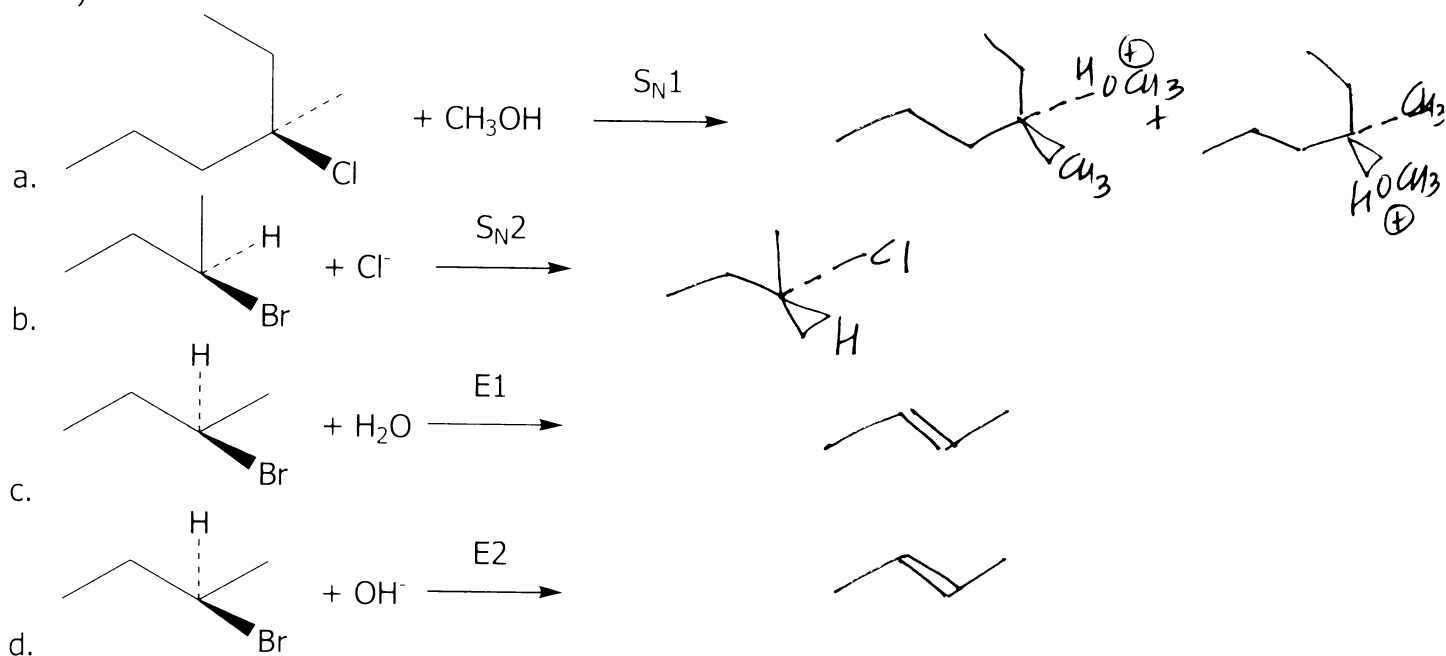
Unless otherwise specified, each question is worth 4 points.

1. For the following compounds, identify




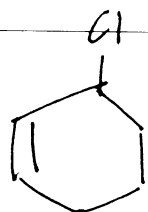
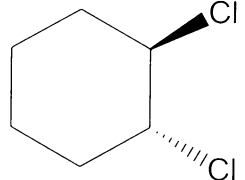
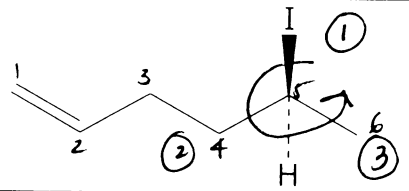
- a. enantiomer(s): b & d
- b. diastereomer(s): a/c & b AND a/c & d
- c. meso compound(s): (a) & (c)

2. What is/are the major organic product(s) of each of the following reactions? (FIVE points total)



Unless otherwise specified, each question is worth 4 points.

3. Complete the following table: (1 point each)

	NAME	FORMULA
A	2-fluoropropane	
B	TETRAFLUOROMETHANE	CF <sub>4</sub>
C	3-chlorocyclohexene	
D	trans-1,2-DICHLOROCYCLOHEXANE	
E	chloroform	CHCl <sub>3</sub>
F	(S)-5-IODO-1-HEXENE	
G	methylene chloride	CH <sub>2</sub> Cl <sub>2</sub>

Unless otherwise specified, each question is worth 4 points.

4. Identify the reaction mechanism (S<sub>N</sub>1, S<sub>N</sub>2, E1 or E2) for each of the following reactions:

