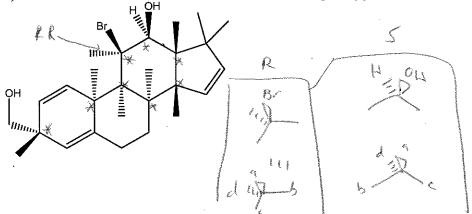
## Assignment #8

Organic 211 Fall 2020

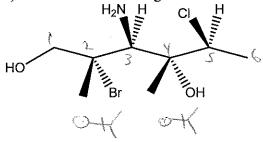
Name	:	

1) Put an asterisk besides all of the chiral centers [if any] for the following molecule.



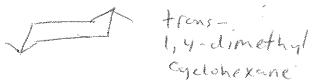
2) Identify the carbon bearing the bromine as R or S [if a stereocenter.] Identify the carbon bearing the secondary alcohol as R or S [if a stereocenter.]

3) Convert the following molecule into a Fischer projection using a Stickman.



4) For the following molecules, indicate the numbers of stereocenters with an asterisk.

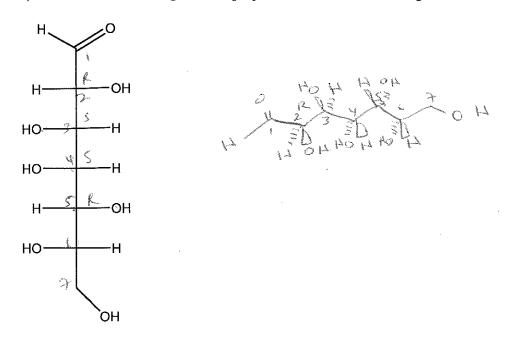
5) Give a molecule that can have diasteromers but not enantiomers. Draw and name the diasteromers. No Chiral centers



6) Give a molecule that can have enantiomers but not diasteromers. Draw and name the

7) Give a molecule that can have both enantiomers and diasteromers. Draw and name the enantiomers and diasteromers. 200 more chiral centers.

. 8) Convert the following Fischer projection into a 3D-drawing.



9) Assign R or S to the chiral centers in the molecule above.