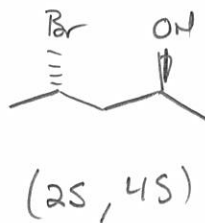
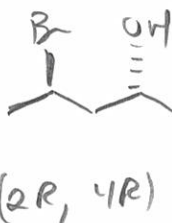
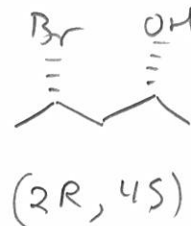
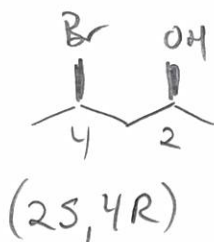
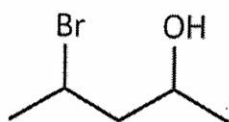


Quiz 4 (50 points)

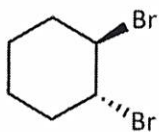
Name KEY

1. Show *all* of the stereoisomers of the following compound using the correct symbols and notation to show *unambiguous* stereochemistry. Assign the *configuration* to any stereocenters with the appropriate notation and put these in the appropriate location in the name of the compound, which is 4-bromo-2-pentanol). Show which of the isomers are *enantiomers* and which are *diastereomers*. (note: the structure shown doesn't indicate any stereochemistry or configuration) (35 points)

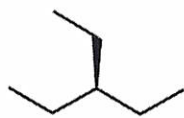


2. Label the following as either *chiral* or *achiral*.

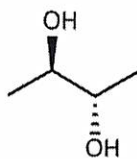
(15 points)



*chiral*



*achiral*



*achiral*