Name:_____

Instructions: You will have 10 minutes to complete this quiz. Answer each question to the best of your ability.

1. (8 points). Consider 2-bromo-3-pentanol.

    a. How many chiral centers are there?
    b. Draw all possible stereoisomers for the compound, and name them using (R,S) designations.
    c. Identify the pairs of molecules that are enantiomers and/or diastereomers.

2. (2 points). Draw a molecule with <u>two</u> chiral centers that would have only <u>three</u> possible stereoisomers. (You only need to draw one molecule).