22

Chemistry 2521 Quiz 2

Name: Kel

1. (6 pts) Draw the stucture for each of the compound names given.

2. (4 points) Below are some mechanisic arrows. Draw the products (<u>result</u>) of the drawn arrows.

3. (12 pts) Give the major product for the following reactions. Show correct stereochemistry and regiochemistry for full credit.

4. (16 points) Provide the products of the following multistep reactions. Show intermediate products for particial credit.

6. (8 points) Provide a <u>retrosynthetic analysis</u> to prepare the following compound from any neutral carbon containing starting material(s) with 5 carbons or less. List correct reagents for full credit.

3. H₂O

In short, one could use retrosynthesis work back to any of these 5 carbon containing starting materials (or others). Note: one could make any of these from any of the other.