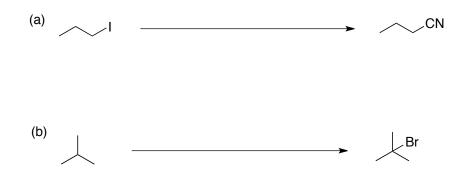
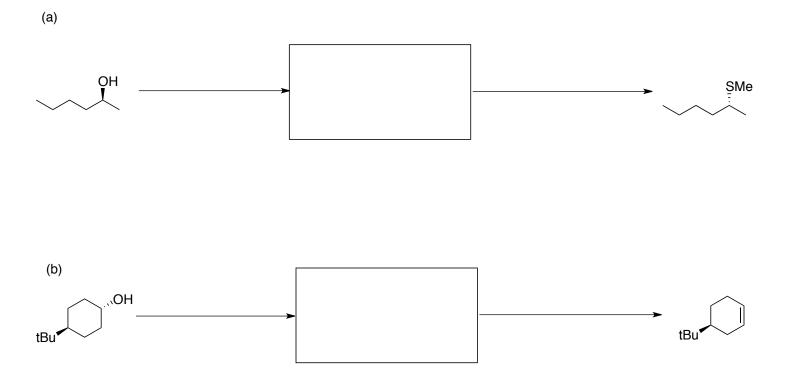
1. Provide the reagents for each transformation over the arrows. These transformations can be accomplished in a single step 3 points each



2. Provide the reagents for each <u>two-step</u> synthesis. A complete answer will require you to make an intermediate.
• Draw the structure of the intermediate in the box.

- Over the arrows, indicate conditions for synthesizing the intermediate and the final product.

7 points each



Name_