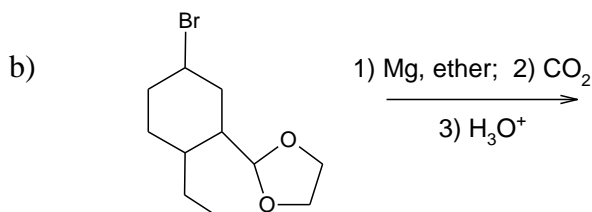
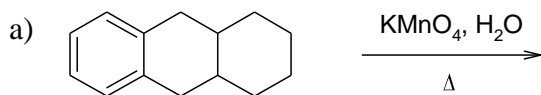
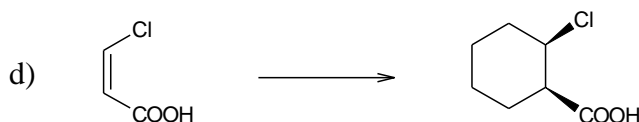
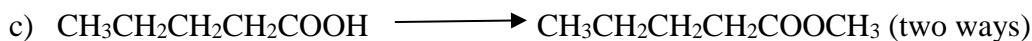
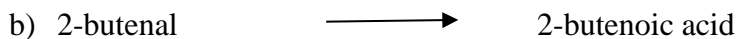
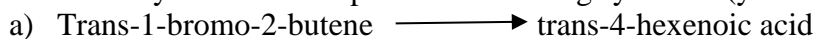


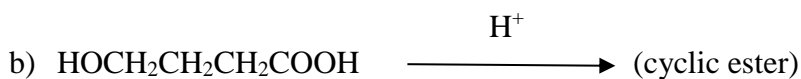
1. Predict the product, if any, of the following reactions to make carboxylic acids.



2. Show how you will accomplish the following synthesis (you can use any necessary reagents).



3. What are the products of the following reactions?



4. Show how would carry out the following multistep synthesis.

