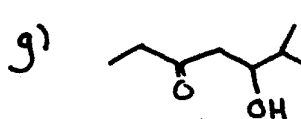
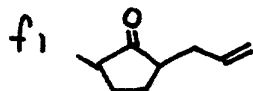
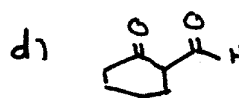
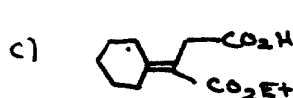
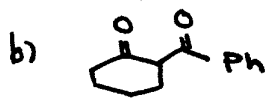
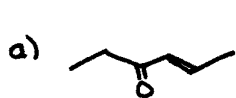
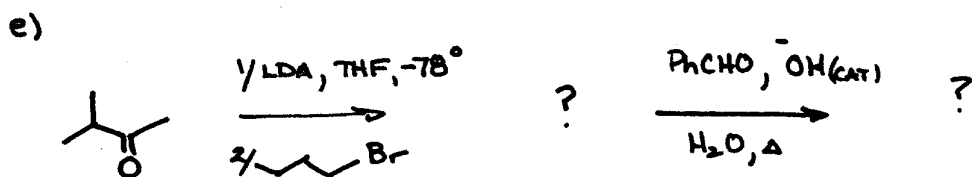
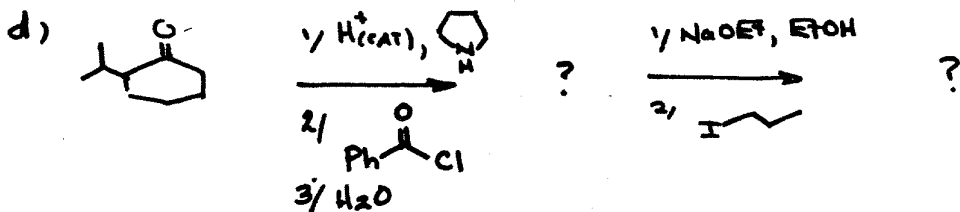
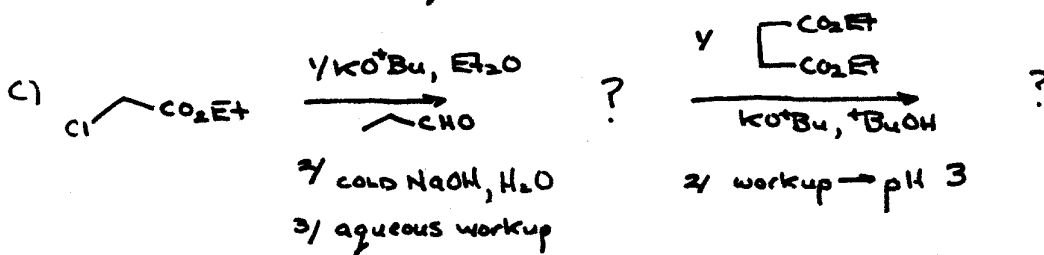
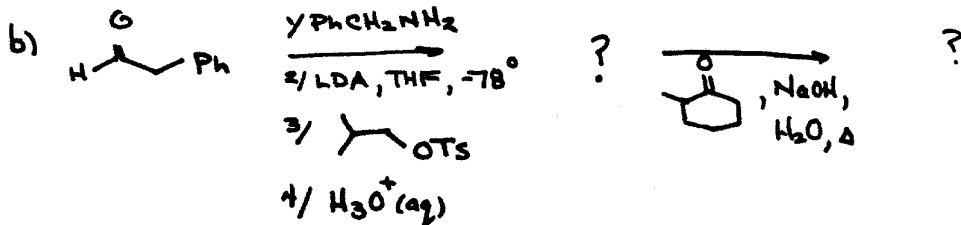
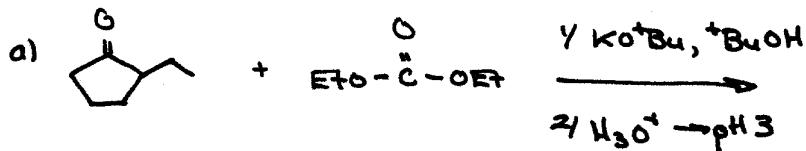
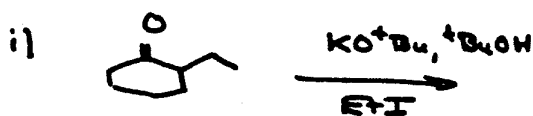
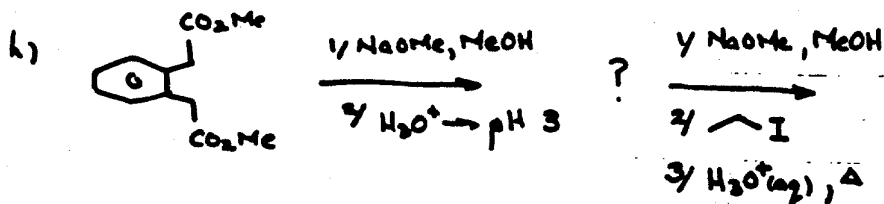
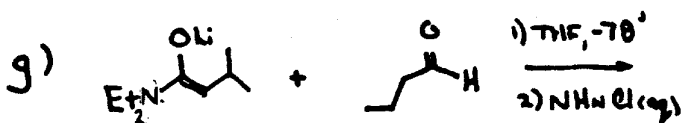
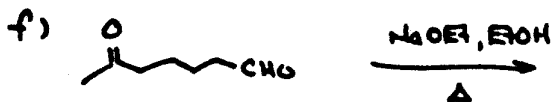


1/ Show by equation how you would prepare each of the following materials. Show all reagents and conditions.

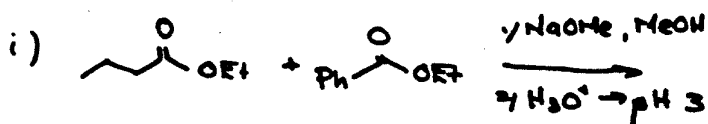
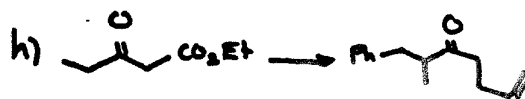
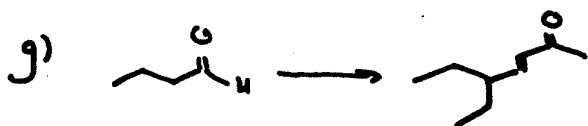
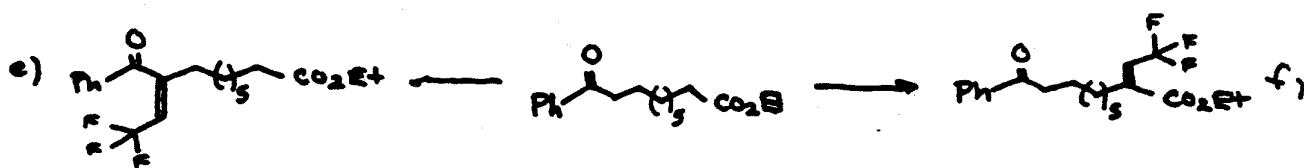
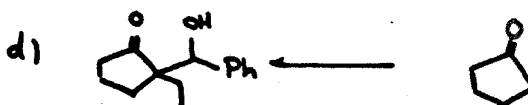
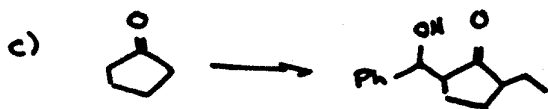
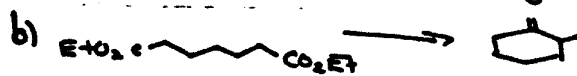


2/ Indicate the structure of the expected MAJOR product from each of the following reactions.





3. Show by equation how you could prepare the products illustrated below from the given starting material. You may use any other reagents you choose. Show all reagents, conditions, and isolable intermediates. More than one step may be required in each case. Mechanisms are not necessary, but may be a help.



WHAT ARE PRODUCT(S)?