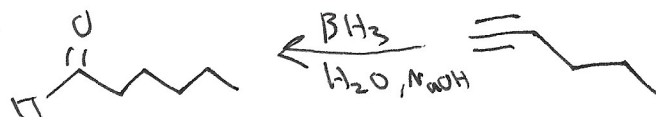
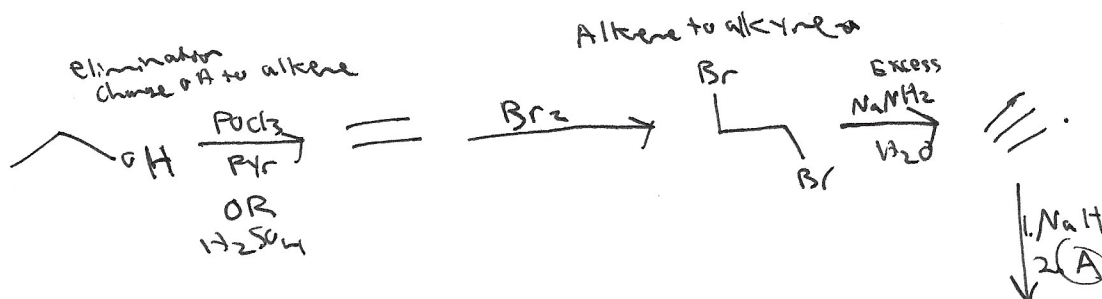
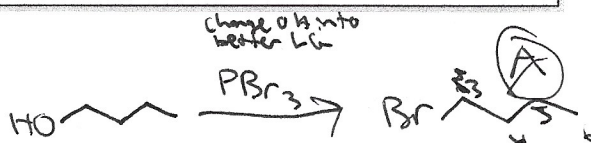
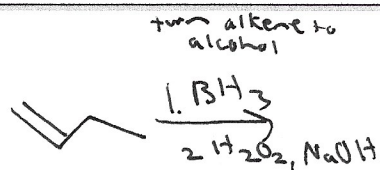
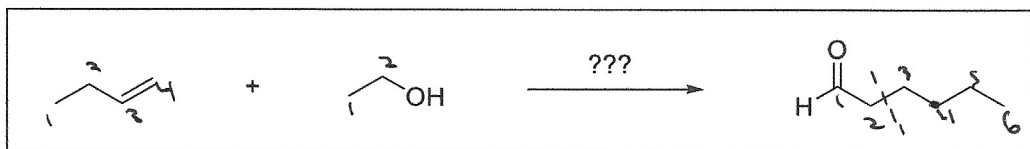
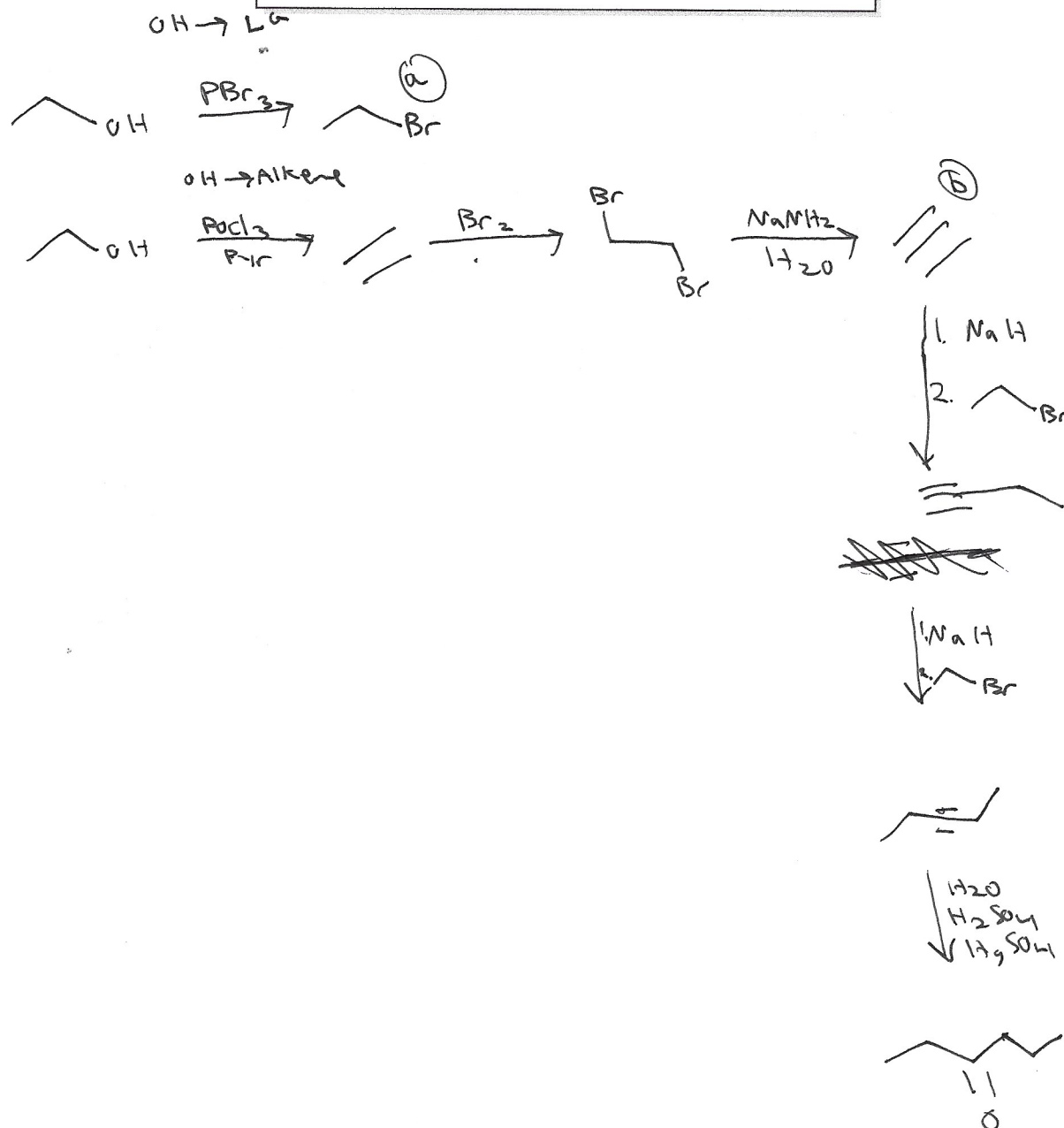
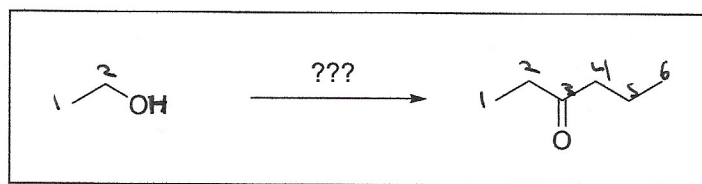


Name Josh Whithead ID U1069343

- 1) Using the reactions you have learned to date, show how to convert 1-butanol and ethanol into the following aldehyde. You must use 1-butanol and ethanol as the source of all carbon atoms in the final product. Show all required reagents and all molecules synthesized along the way.



- 2) Using the reactions you have learned to date, show how to convert ethanol into the following hex-3-one. You must use ethanol as the source of all carbon atoms in the final product. Show all required reagents and all molecules synthesized along the way.



- 3) Using the reactions you have learned to date, show how to convert the given starting materials into the desired epoxide. You must use the given starting materials as the source of all carbon atoms in the final product. Show all required reagents and all molecules synthesized along the way.

