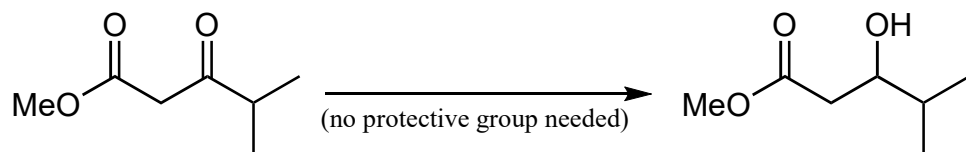
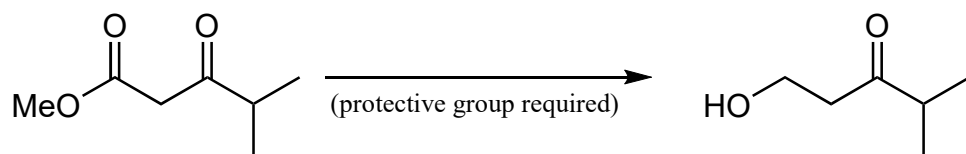
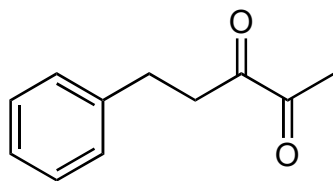
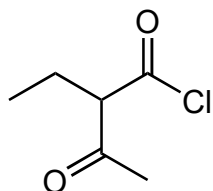


3A) (8 pts) Of the following transformations, the first one requires the use of a protective group, and the second one does not. Provide the reagents necessary for each transformation (show intermediate products)..



3B) (12 pts) Name the following compounds according to the IUPAC rules, and draw the third compound. You must **show your work** for full credit, or for your answer to be considered for partial credit.



Draw *N*-ethylacetamide