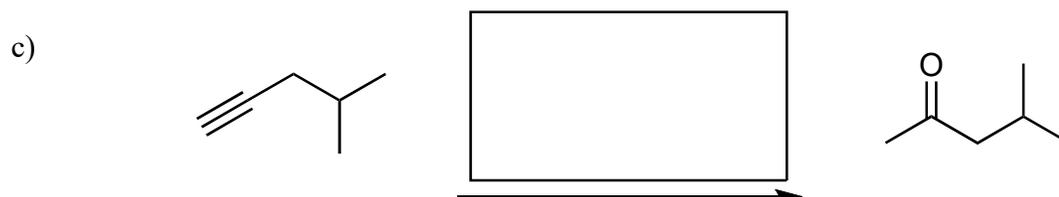
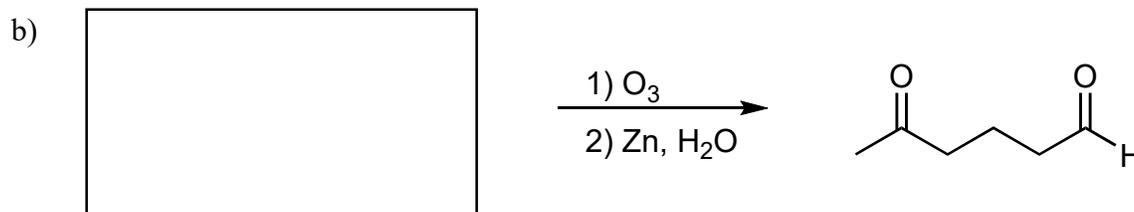
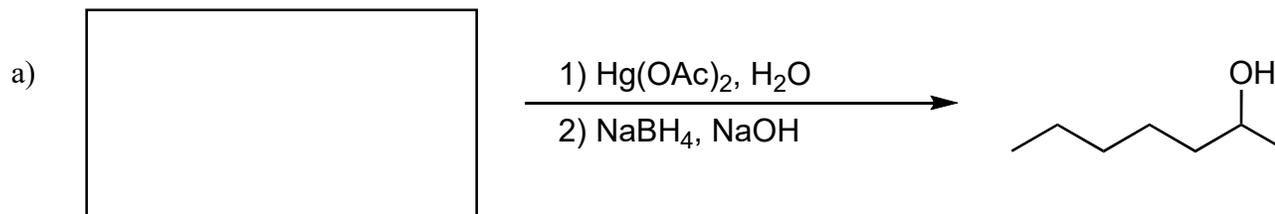


8A) (10 pts) Provide the necessary starting material or reagents for each of the following reactions. The missing reagents are just one or two steps to accomplish a single transformation.



8B) (12 pts) Provide the reagents necessary to transform the given starting material into the desired product. More than one step may be required. **You must show your work and draw intermediate products.**

