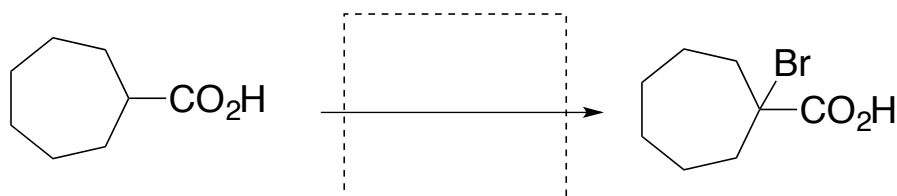
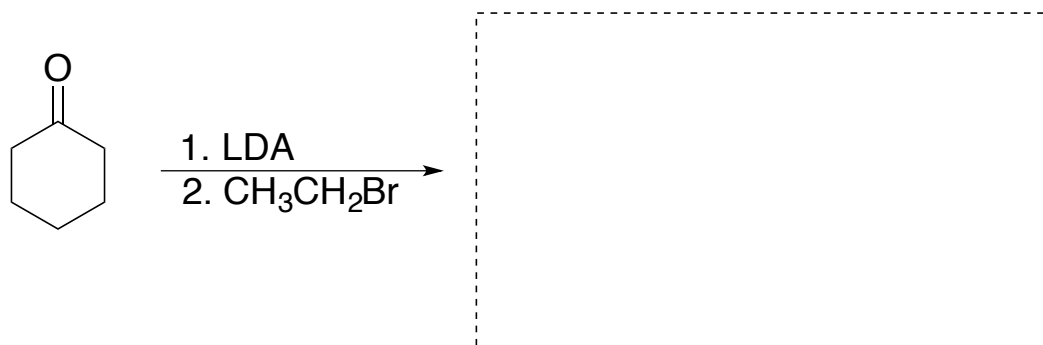
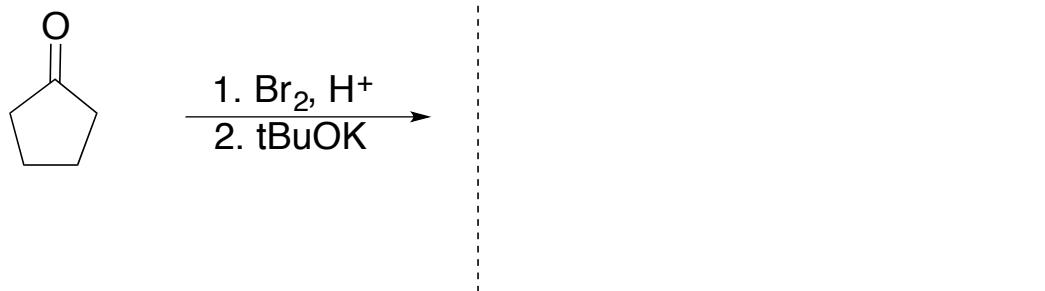
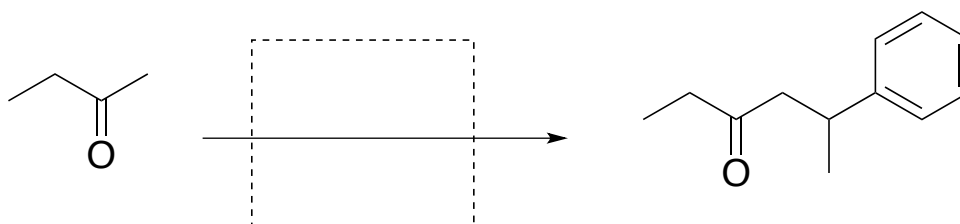
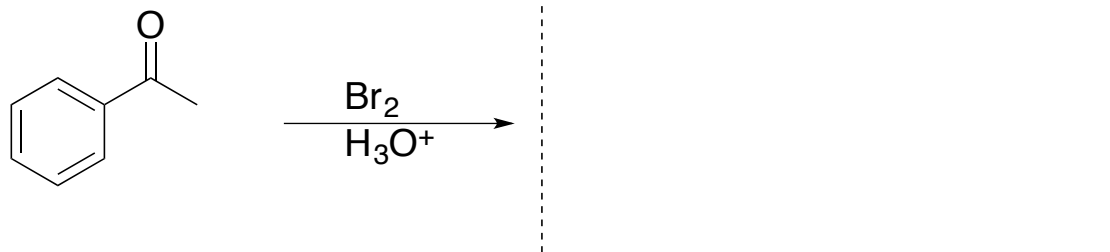
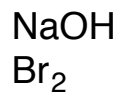
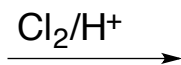
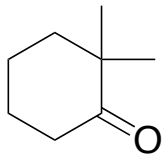
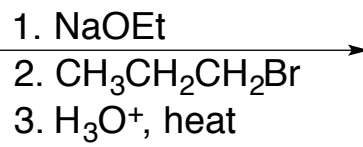
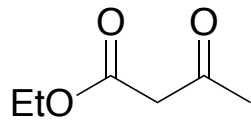
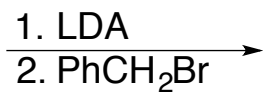
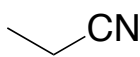
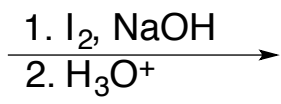
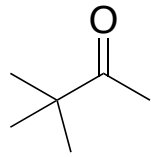
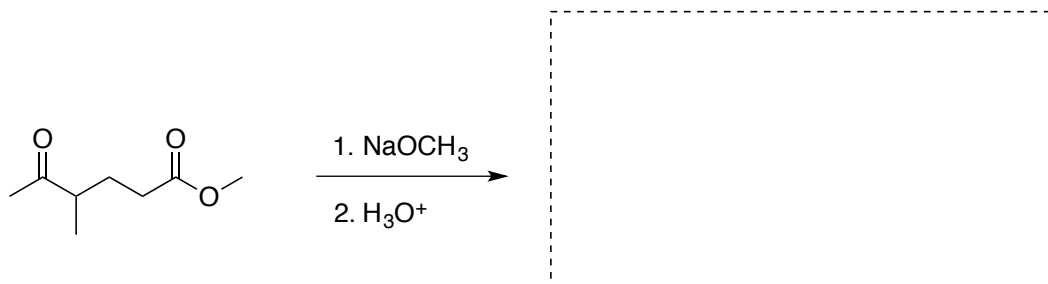
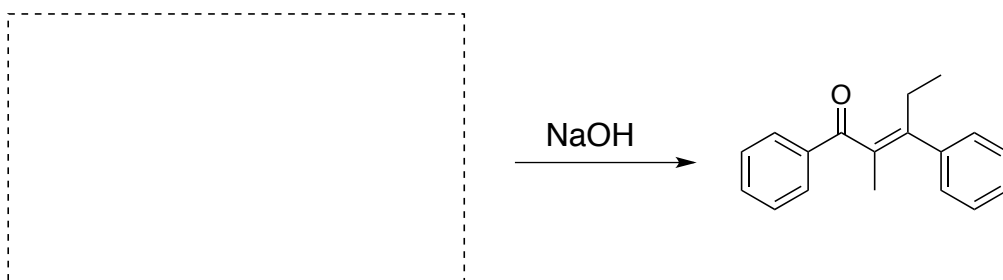
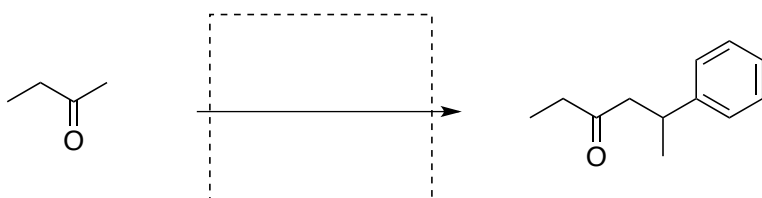
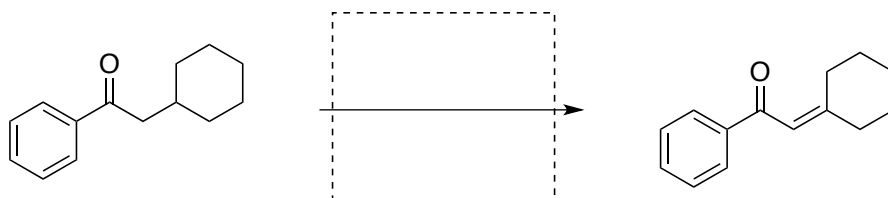
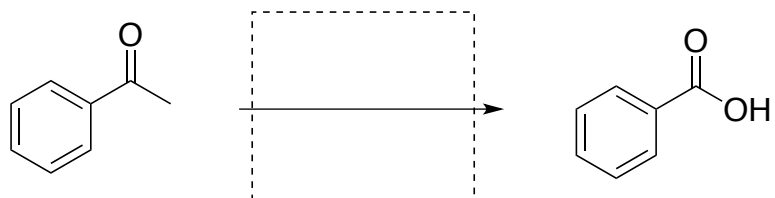
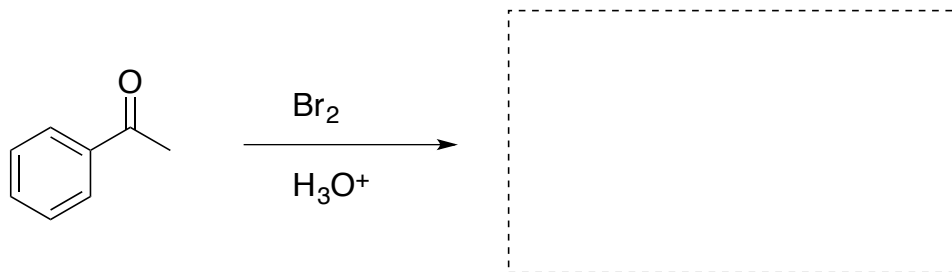


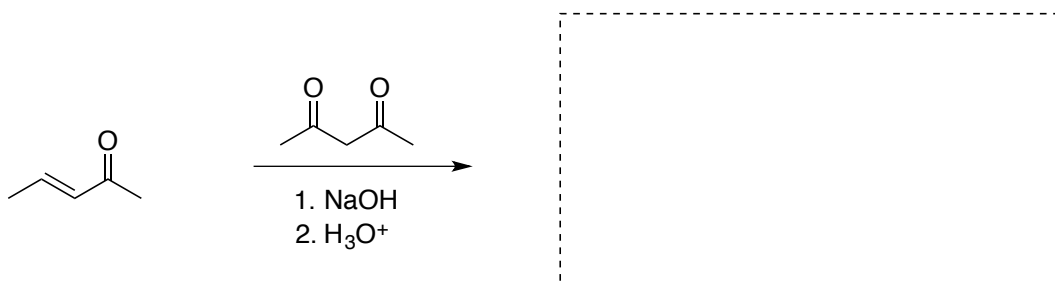
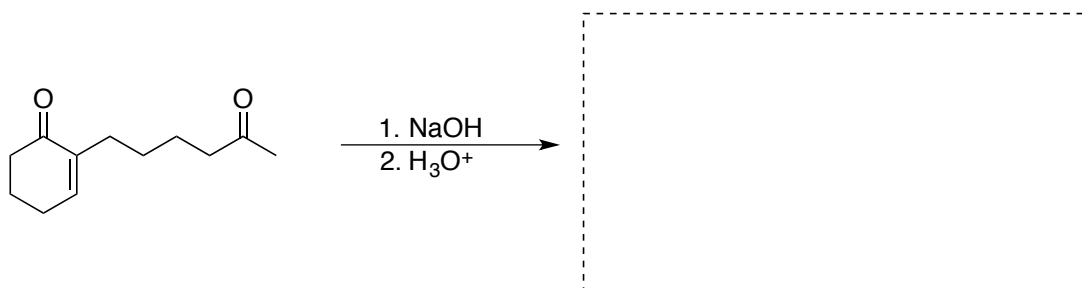
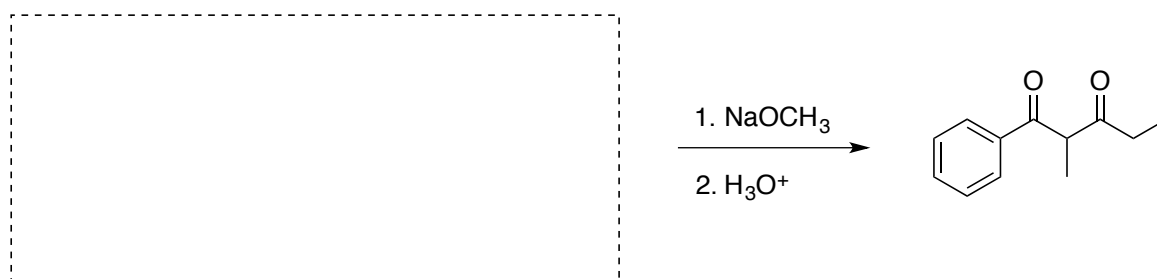
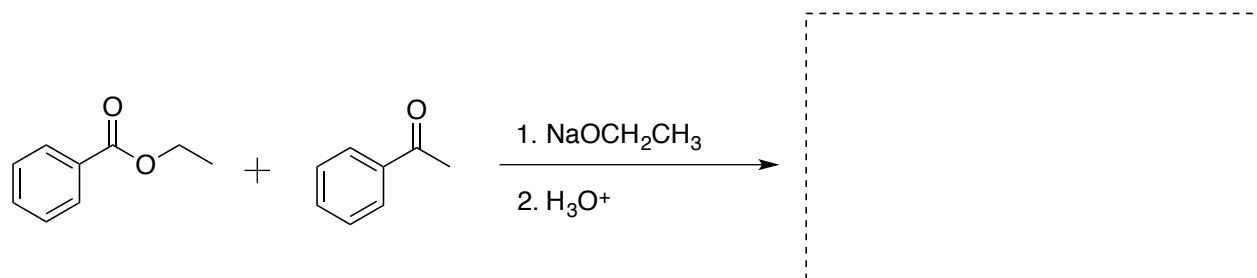
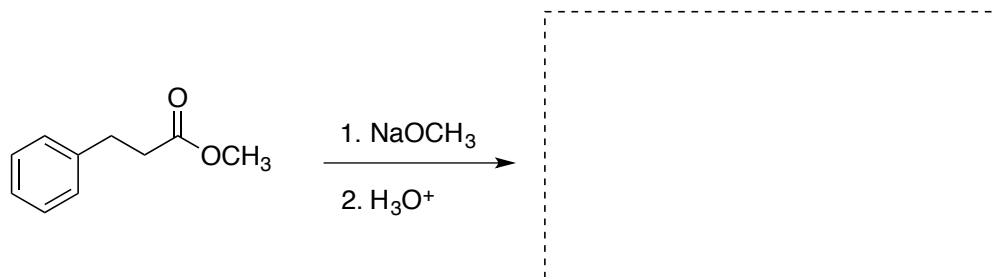
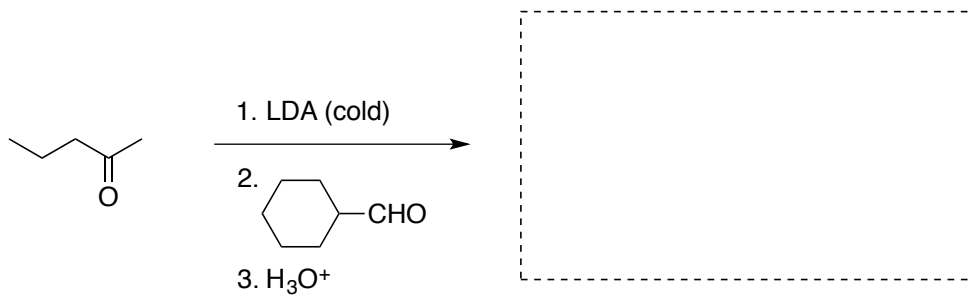
Problem Set #8: Chapter 19

1. Complete the following transformations

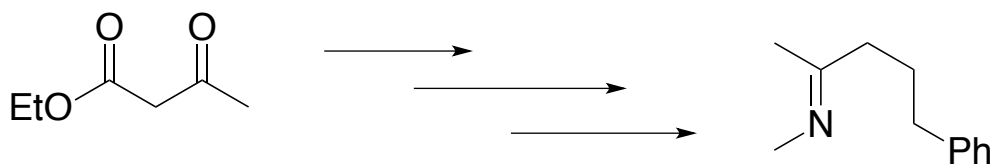
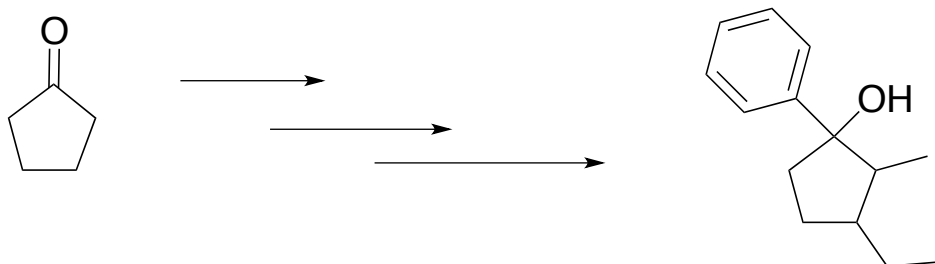
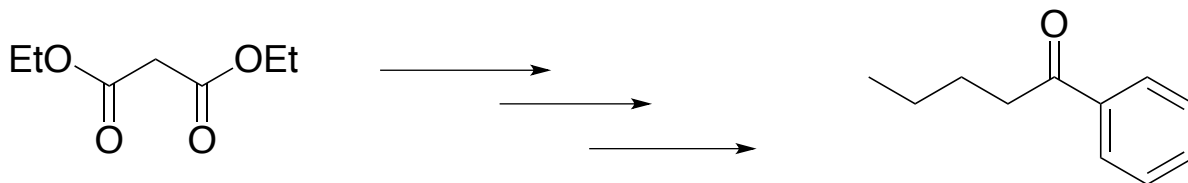


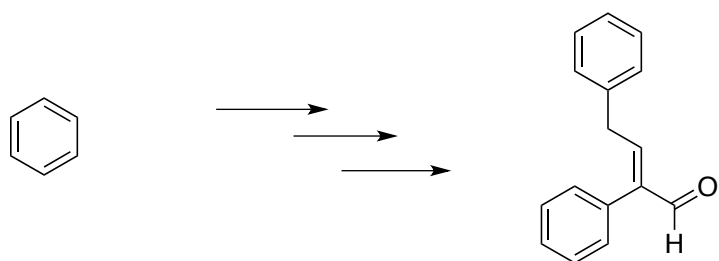
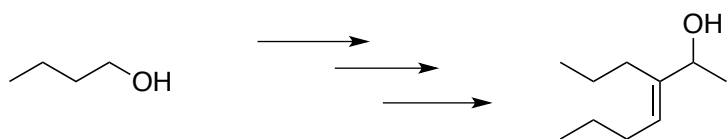
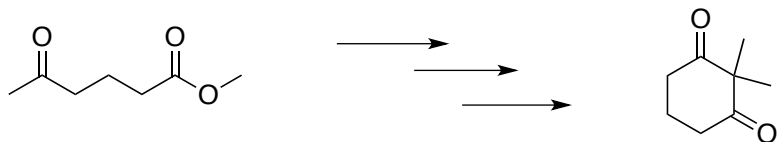




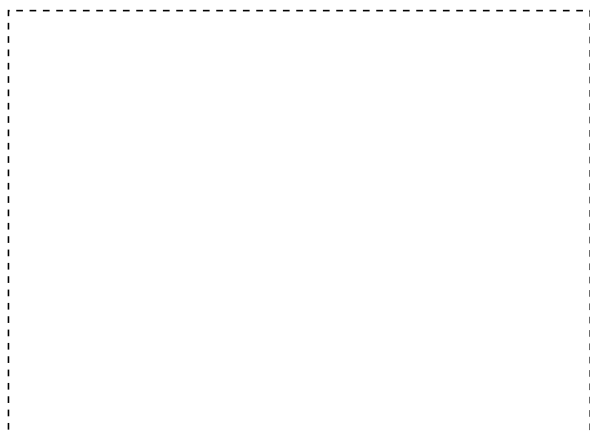


2. Provide a reasonable synthesis for the following molecules using the given starting material and any other carbon containing compound you need.

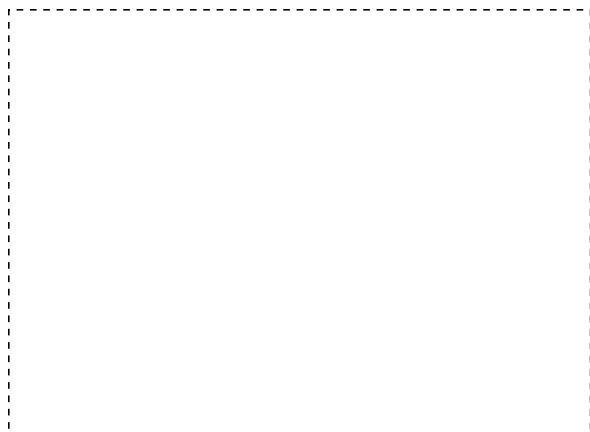
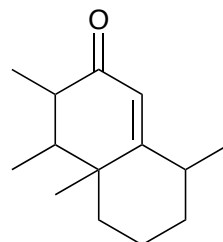




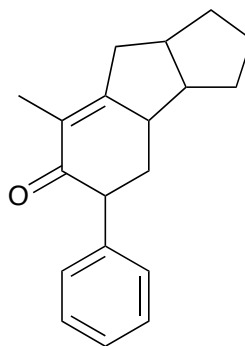
3. Find the starting materials that react to give the following Robinson Annulation products.



NaOH



NaOH



NaOH

