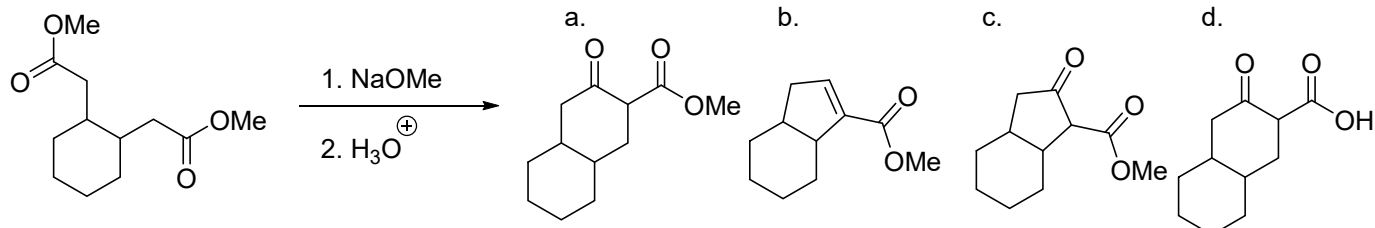
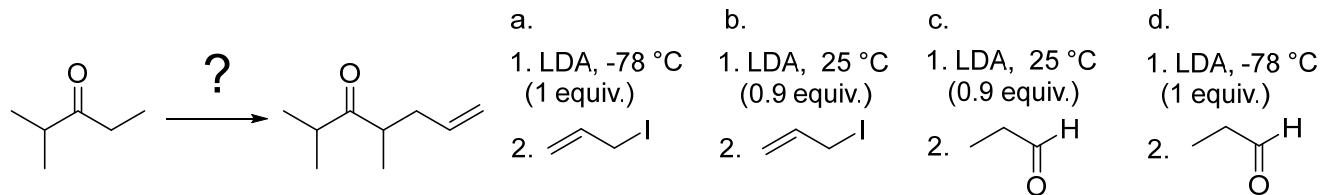


Name: \_\_\_\_\_

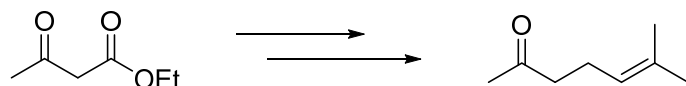
1. Circle the product for the following reaction. (1 points)



2. Circle the best reagents and reaction conditions for the following reaction. (1 point)



3. Provide a synthesis for the following transformation using the acetoacetic ester synthesis. (3 points)



4. Provide a mechanism to account for the following reaction. (5 points)

