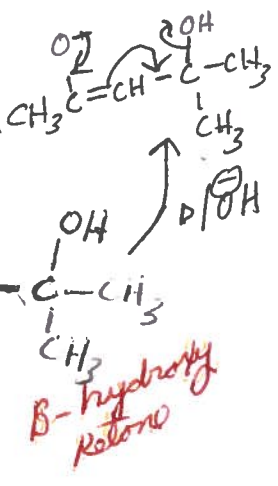
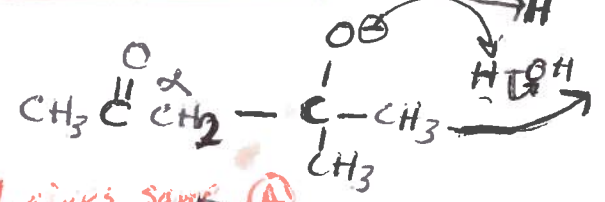
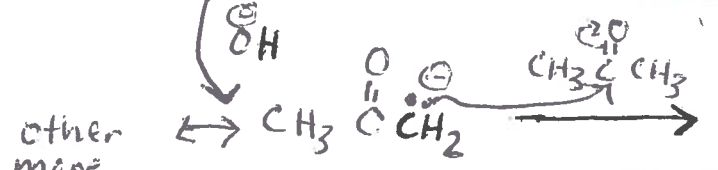
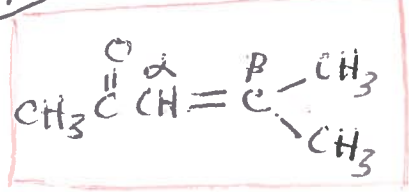
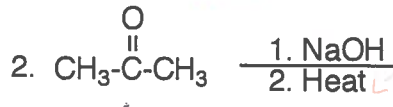
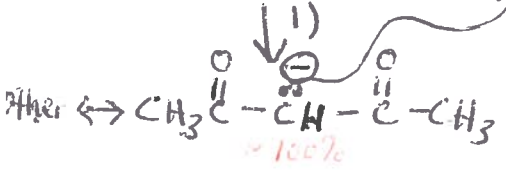
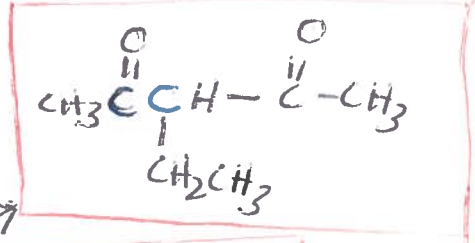
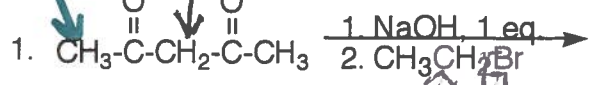


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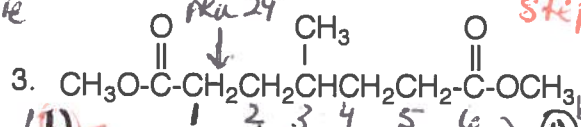
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MAJOR PRODUCTS

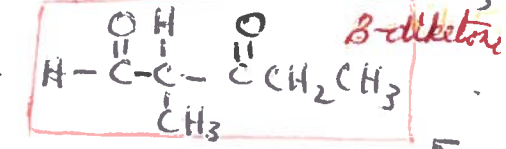
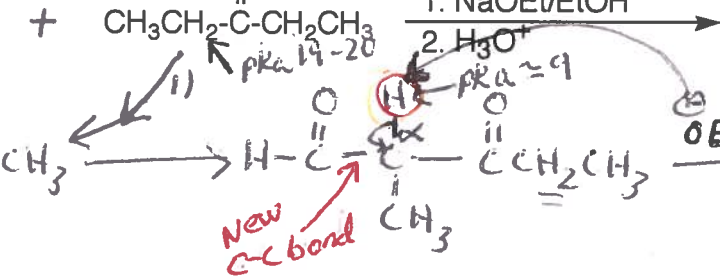
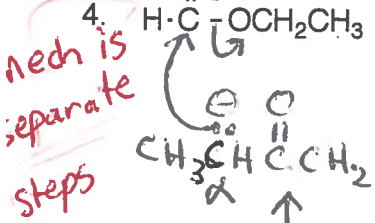
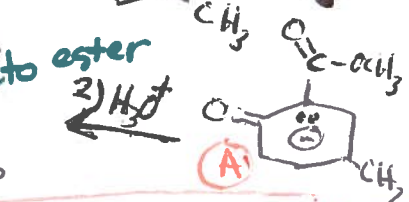
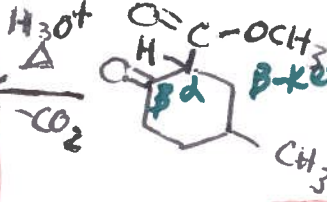
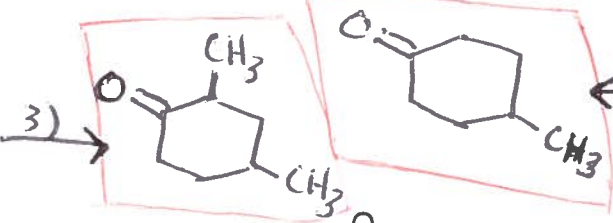
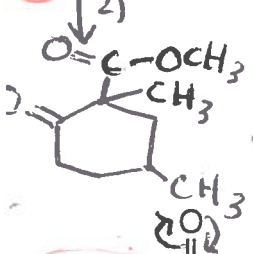
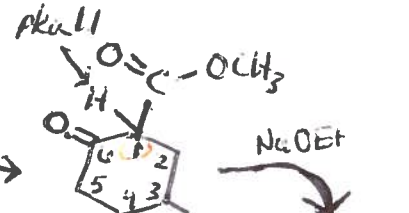
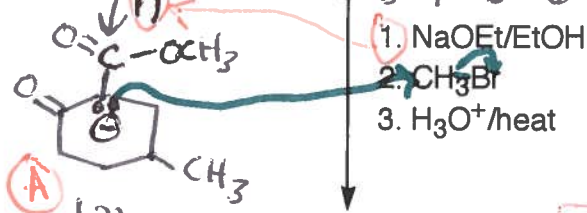
MAD ORG. CHEM "MIN." # 29



B-hydroxy ketone



Step 1 gives same (A) intra-Claisen followed by decarboxylation

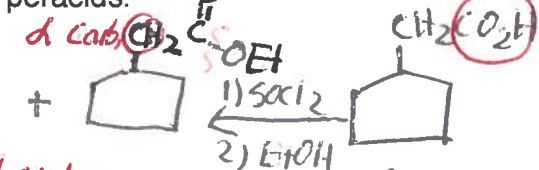
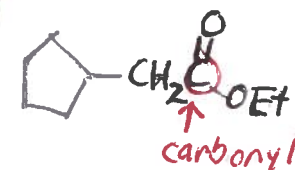
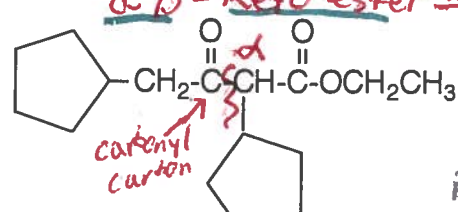


nech is separate steps

New C-C bond

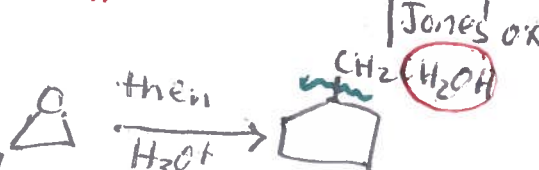
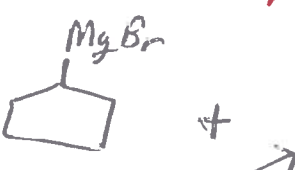
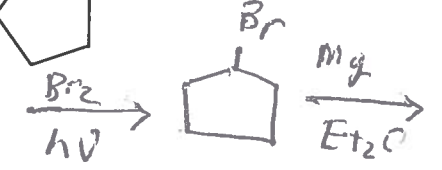
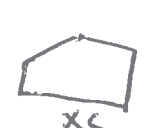
5. Synthesize the compound below from cyclopentane, alcohols, alkenes, or alkynes of three carbons or less, any inorganic reagents, any oxidizing or reducing agents, and any peracids.

α - β -Keto ester \rightarrow Claisen



carbonyl carbon

carbonyl carbon



X5

then

Jones' ox