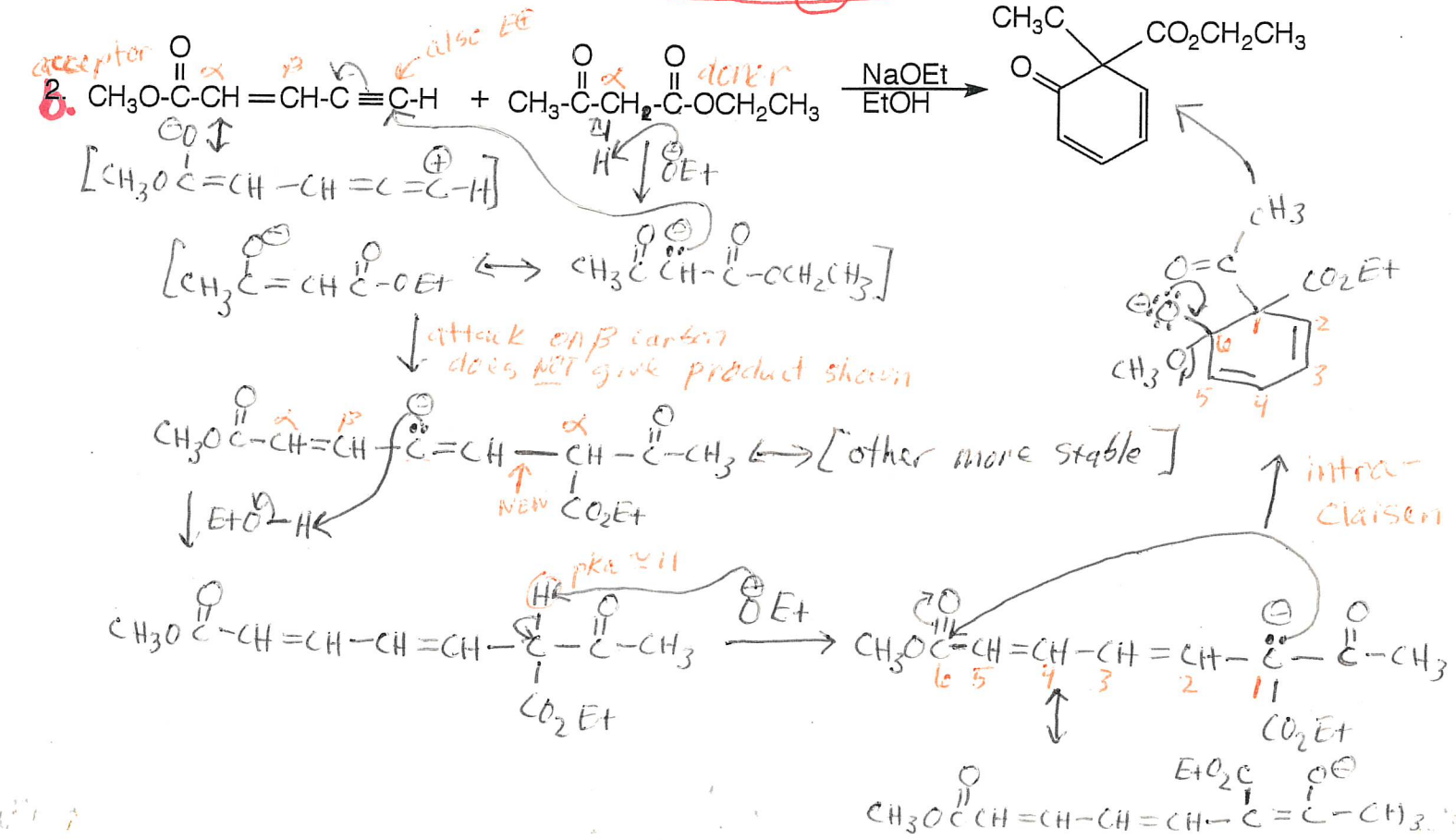
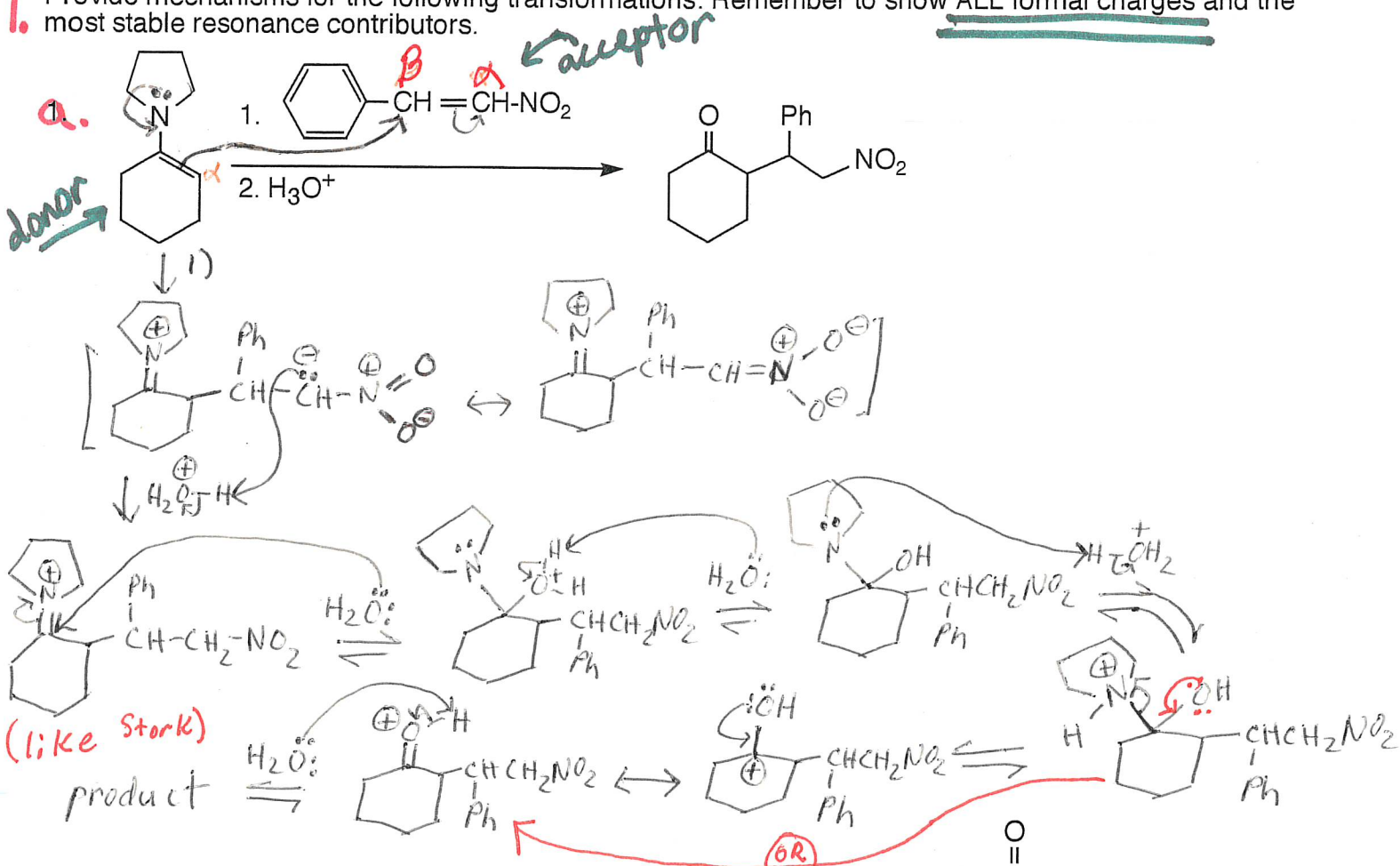
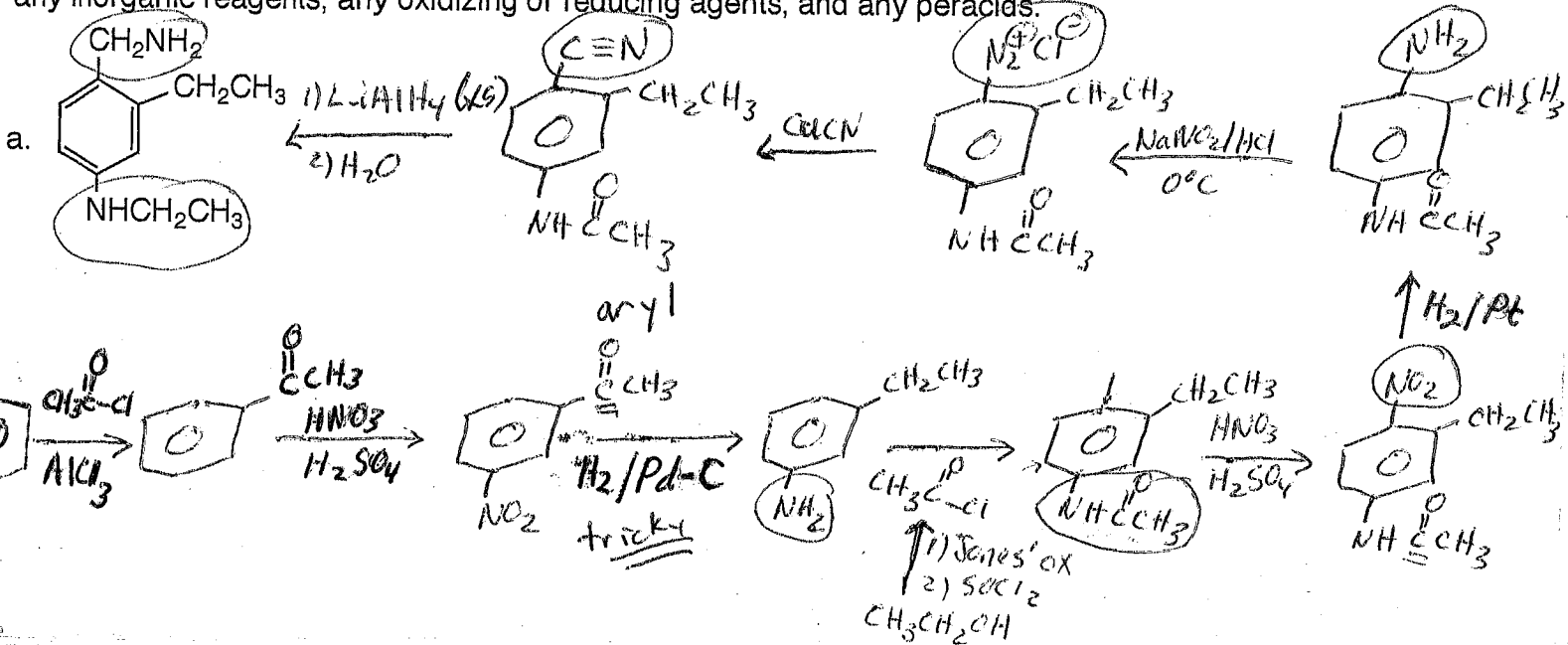


MAD ORG. CHEM "MIN." # 32

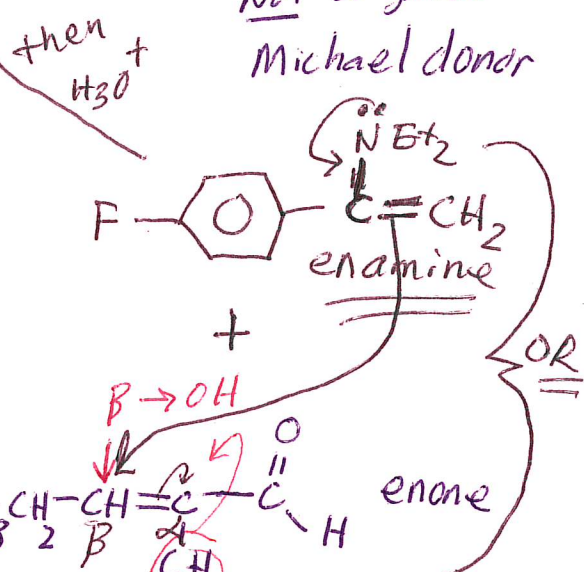
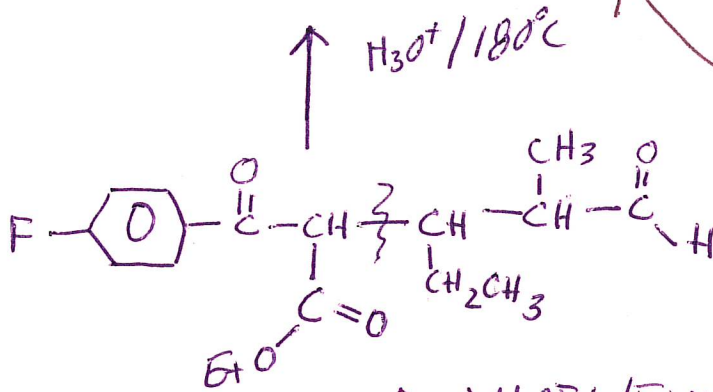
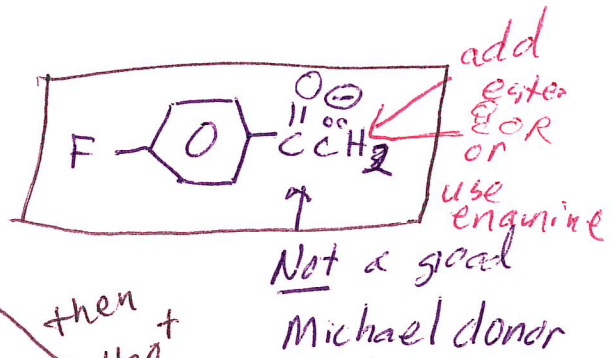
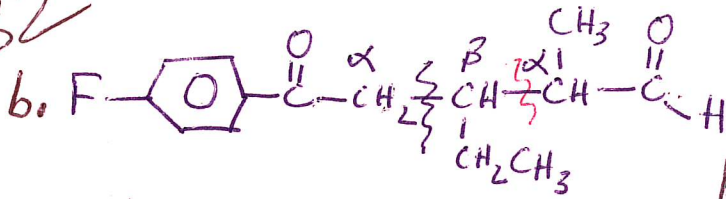
1. Provide mechanisms for the following transformations: Remember to show ALL formal charges and the most stable resonance contributors.



2. Synthesize the compounds below from benzene, alcohols, alkenes, or alkynes of three carbons or less, any inorganic reagents, any oxidizing or reducing agents, and any peracids.



Q32



β -keto ester

