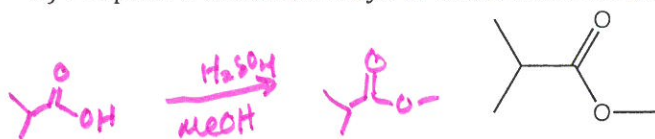


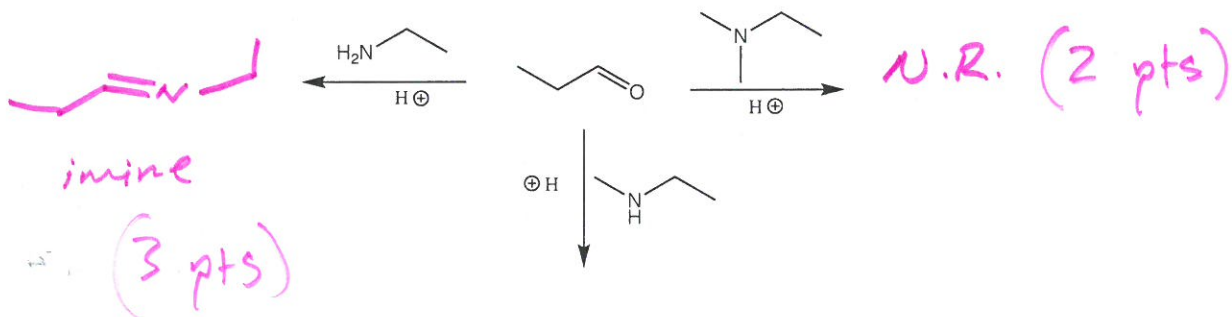
1.) Propose 2 different ways to make the following ester: (4 points)



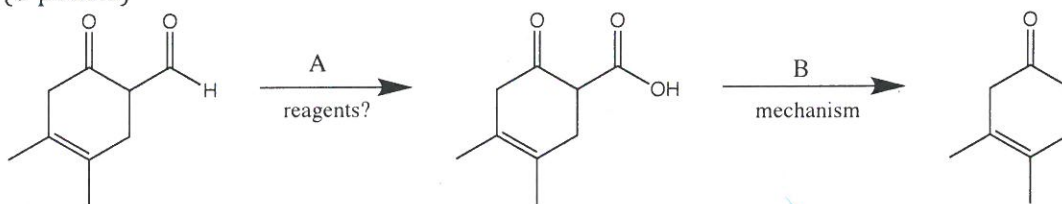
2 pts for each valid method



2.) Predict the products of the following reactions, indicate if no reaction would occur: (8 points)



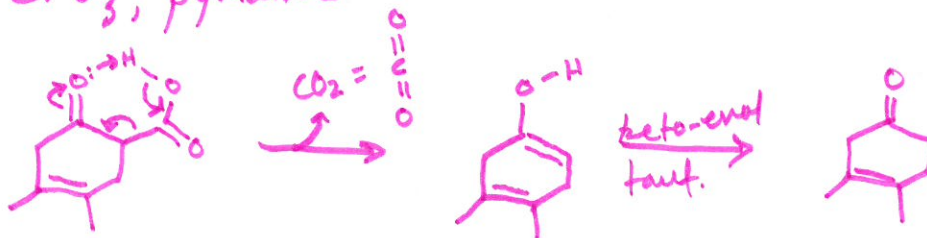
3.) For the following reaction scheme, choose a reagent that would complete the transformation in part A and then draw the mechanism for what happens in step B: (8 points)



(3 pts) A: **CrO₃, pyridine**

B:

(5 pts)



↑
give partial credit