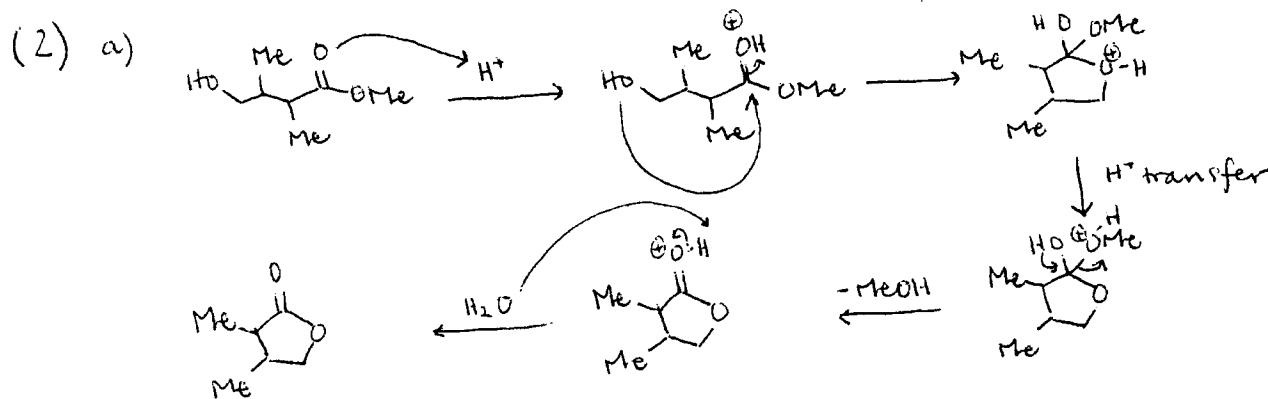
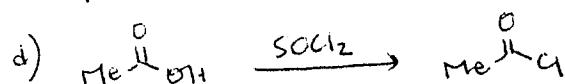
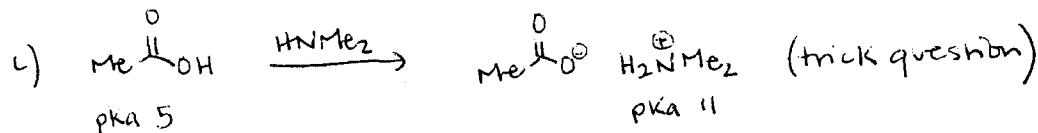
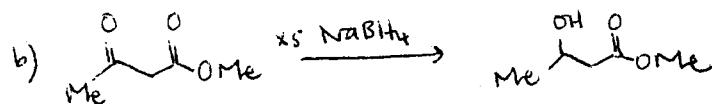
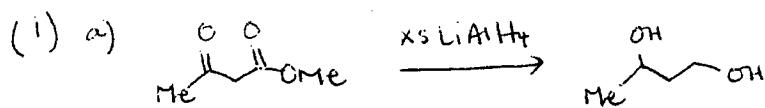
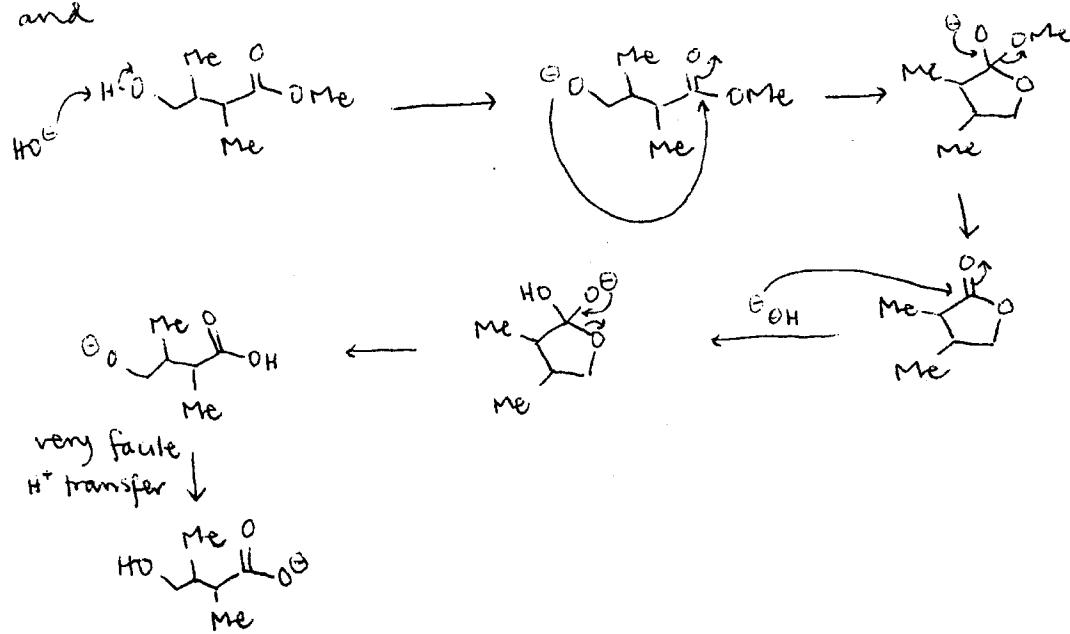


## Practice for Test 3: Suggested Solutions



and



b) The acidic & basic reactions give different products because of the ability to hydrolyze lactones in basic media more easily than under analogous acidic hydrolytic conditions.

Also note that the 5-membered lactone is both thermodynamically and kinetically favored and is observed in both mechanisms.

(3) Note that there are several ways to arrive at the following compounds with the given reagents than the routes indicated below.

