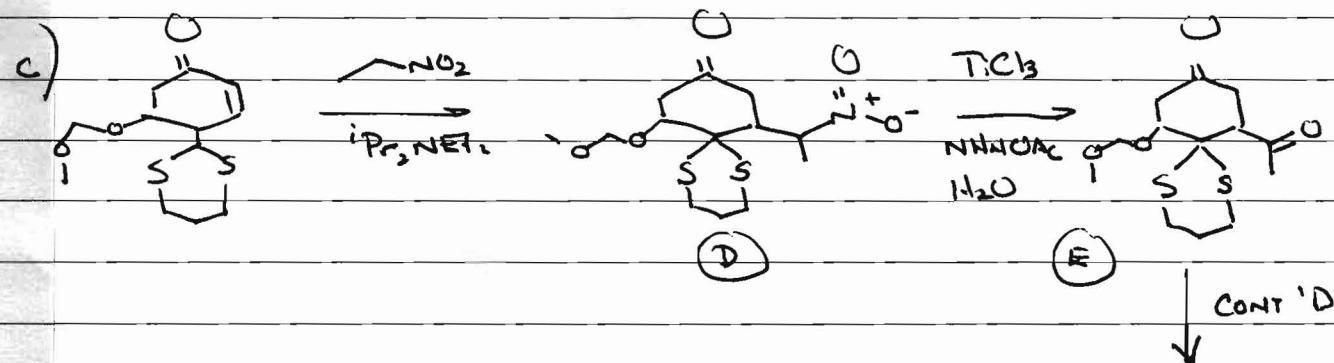
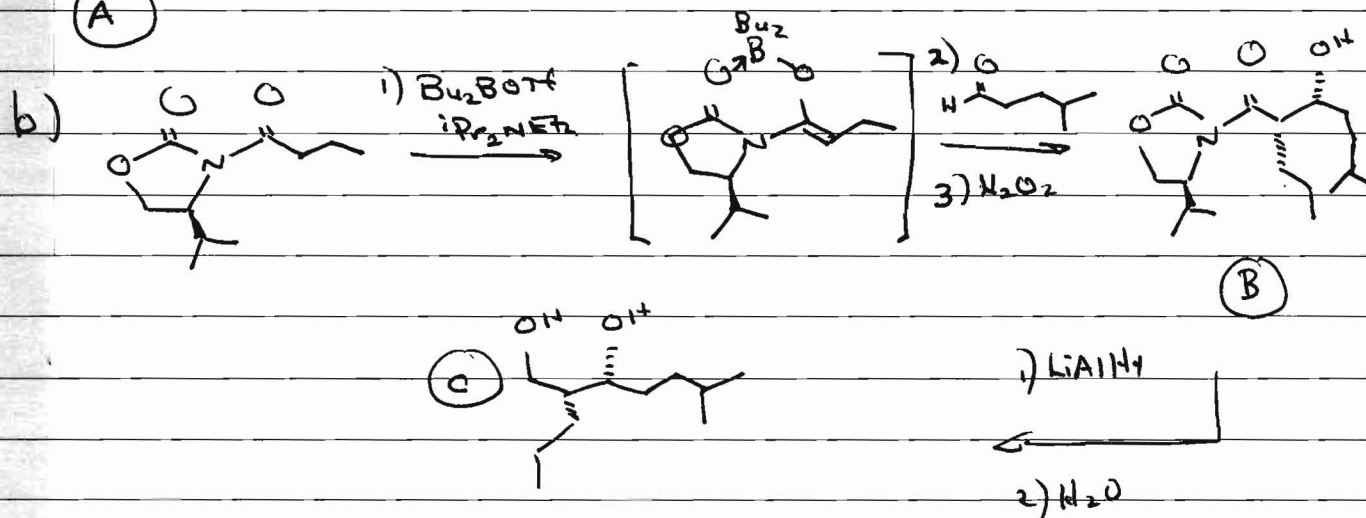
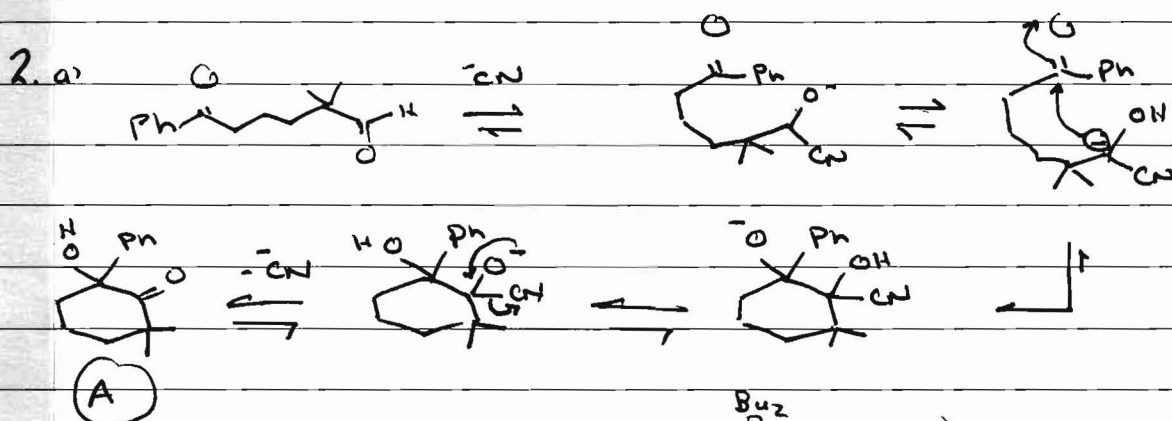
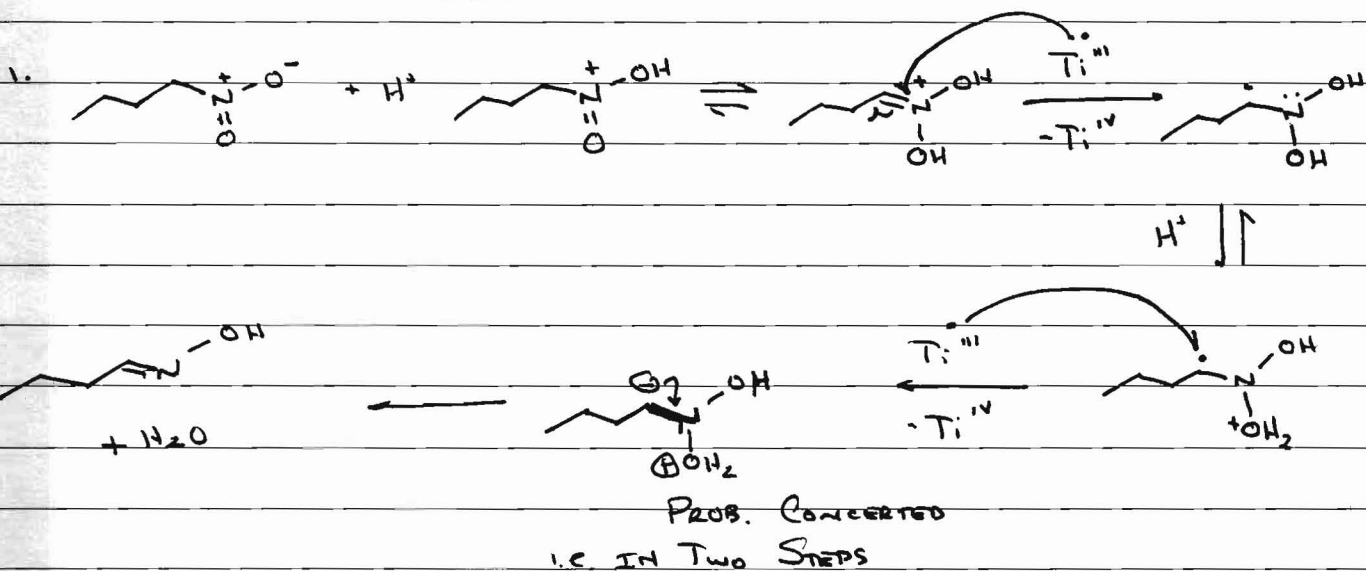
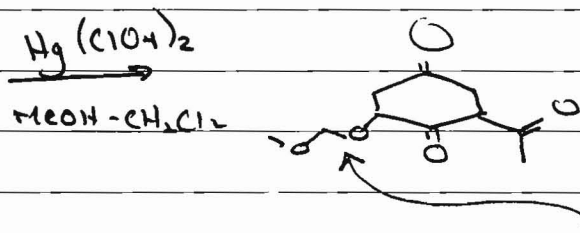


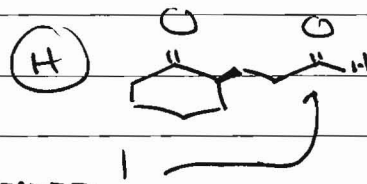
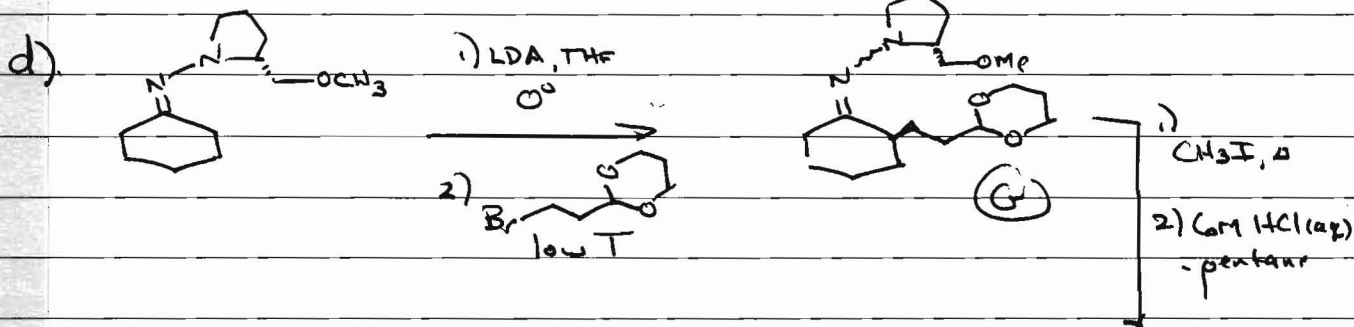
F 2013
MIDTERM TEST
SUGGESTED SOLUTIONS



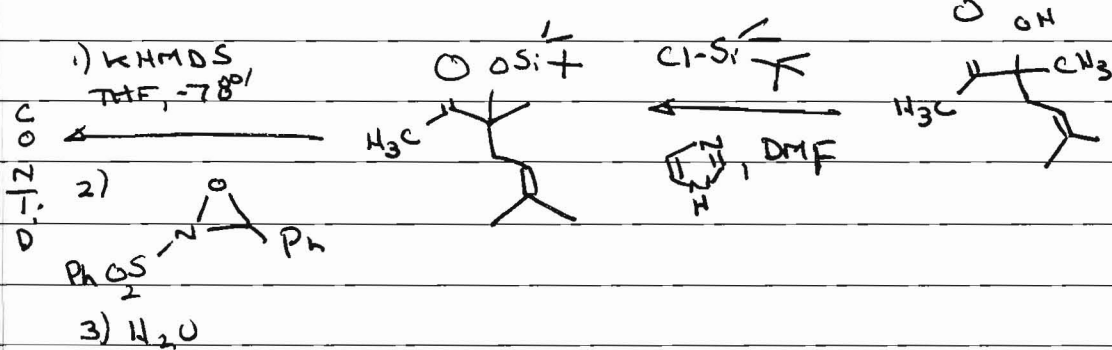
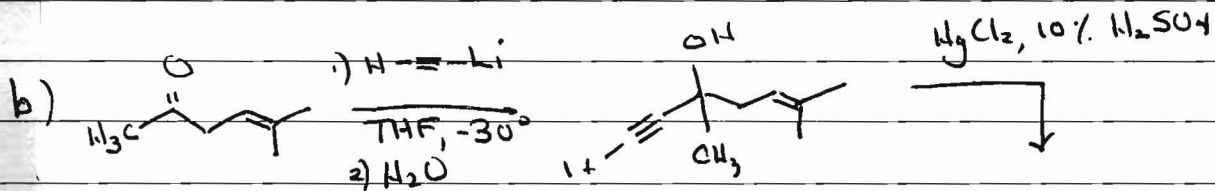
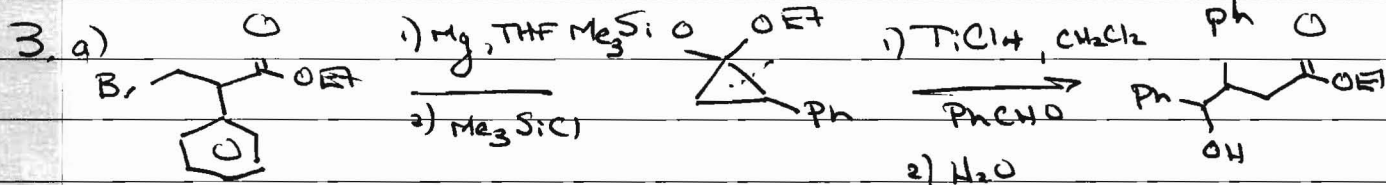


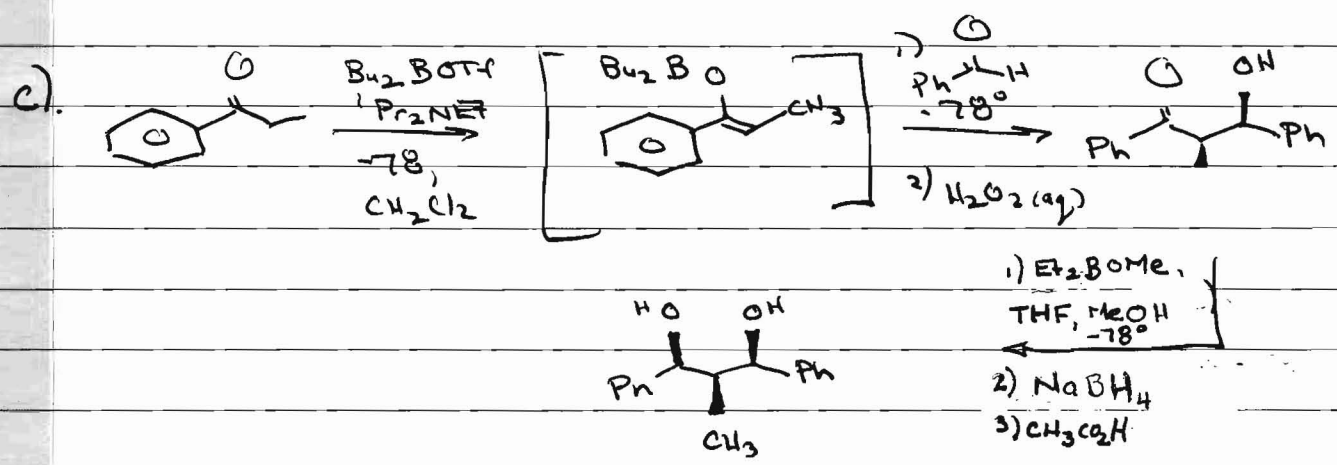
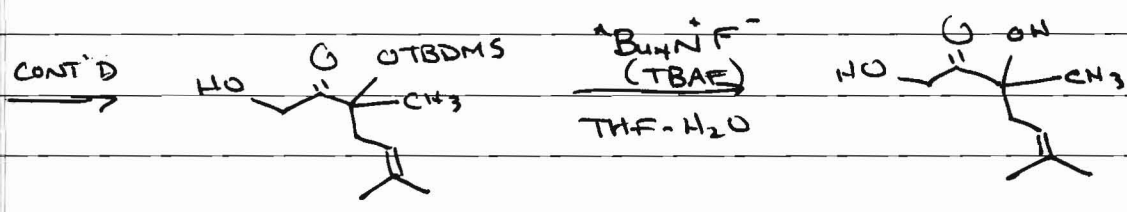
(F)

THIS WILL PROBABLY REMAIN PROTECTED SINCE WE'RE USING A SOFT LEWIS ACID.

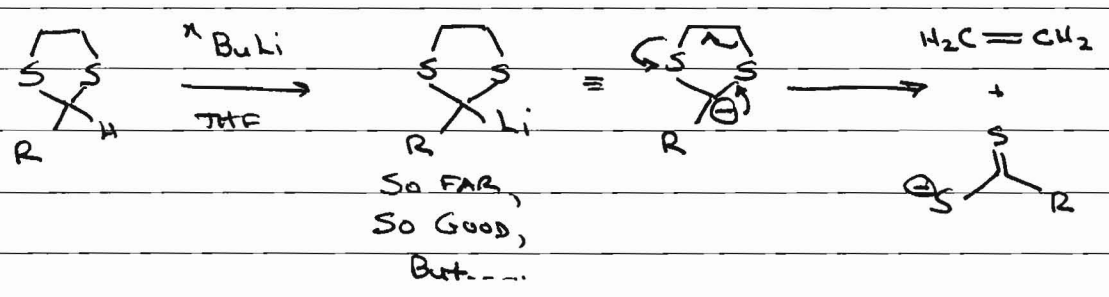


DEPROTECTED!





4. THE PROBLEM WITH DITHIOLANES IS THAT IT IS SET UP FOR AN ELIMINATION REACTION, ONCE THE ACYL ANION IS GENERATED. SO IT'S NOT STABLE



WE HAVE OCCASIONALLY MENTIONED THE INSTABILITY OF ALKYL LITHIUMS AT ELEVATED TEMPS. IN THE DURING THE 331 COURSE (THIS WILL COME UP AGAIN). THE MECHANISM IS ANALOGOUS, IN A WAY.