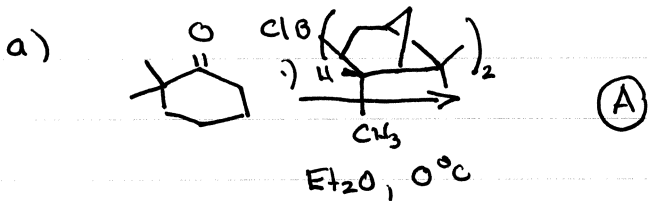


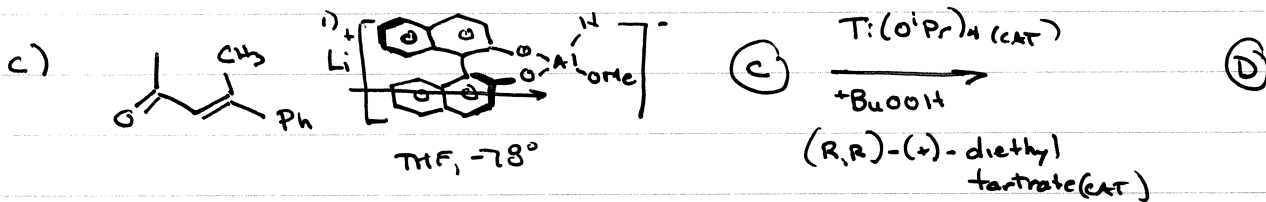
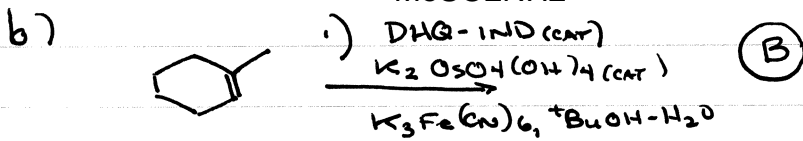
ASSIGNMENT #2

Nov. 6, 2013

1. SUGGEST THE MOST REASONABLE PRODUCTS FOR THE FOLLOWING TRANSFORMATIONS. SHOW ANY ISOLABLE INTERMEDIATES. INCLUDE STEREOCHEMISTRY WHERE RELEVANT.



2) aq. workup
MeSO₂NH₂

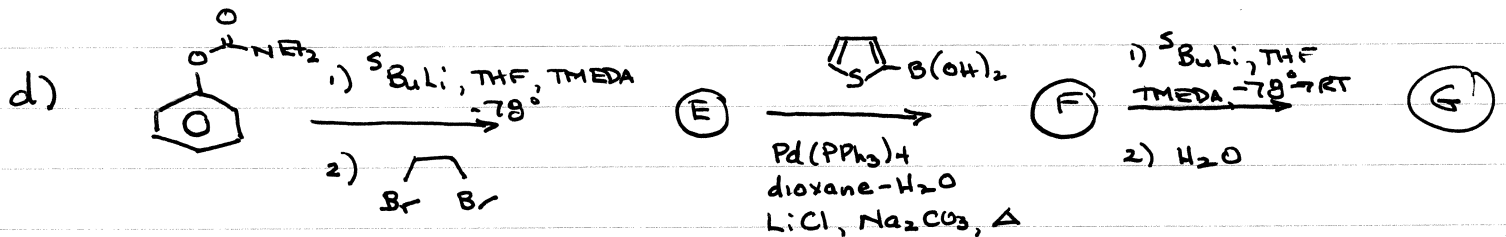


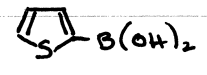
Ti(OⁱPr)₄ (CAT)
+ BuOOH
(R,R)-(+)-diethyl tartrate (CAT)

2) H₂O

CH₂Cl₂, 4A° SIEVES

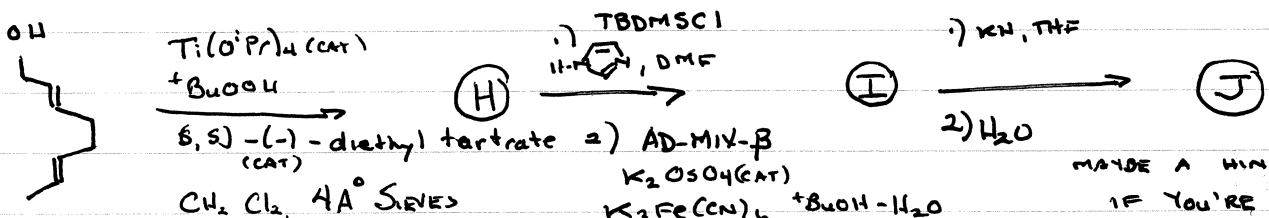
FOR FULL MARKS, WAS THIS 2ND STEP A MATCHED OR MISMATCHED PAIR?




Pd(PPh₃)₄
dioxane-H₂O
LiCl, Na₂CO₃, Δ

1) ^sBuLi, THF, TMEDA, -78°C → RT
2) H₂O

e) OR... THIS ONE IS A TOUGHIE, BUT.....

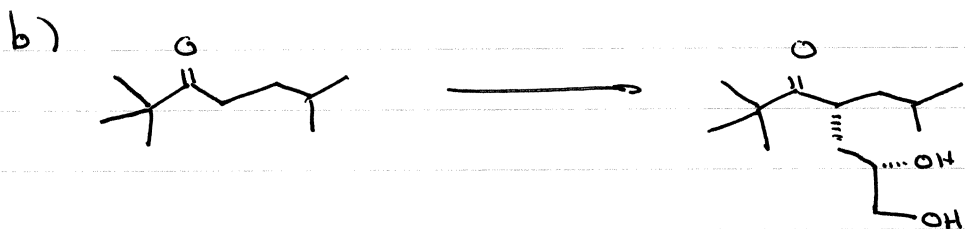
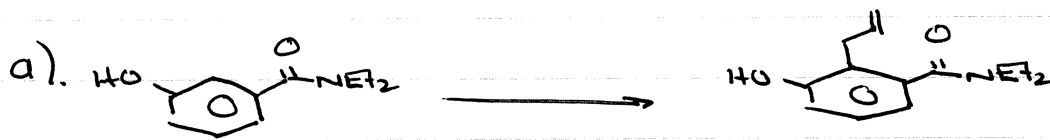


1) TBDMSCl, 11-H, DMF
2) AD-MIX-β
K₂O5O4 (CAT)
K₃Fe(CN)₆, tBuOH-H₂O
MeSO₂NH₂

1) KN, THF
2) H₂O

MAYBE A HINT HERE IF YOU'RE STUCK

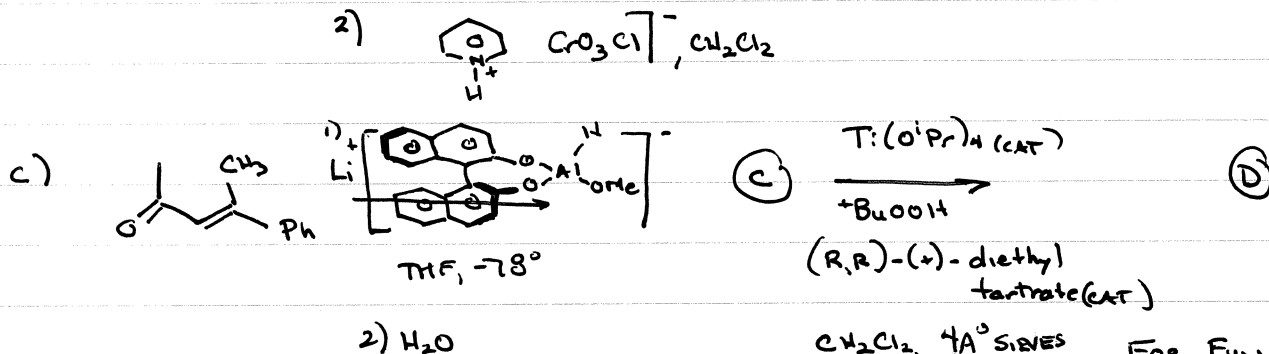
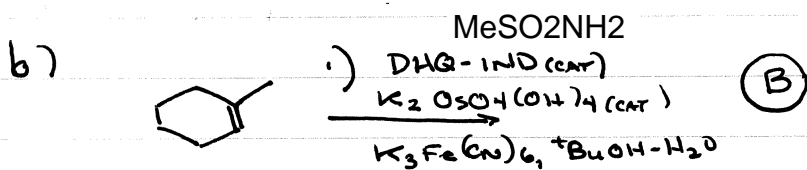
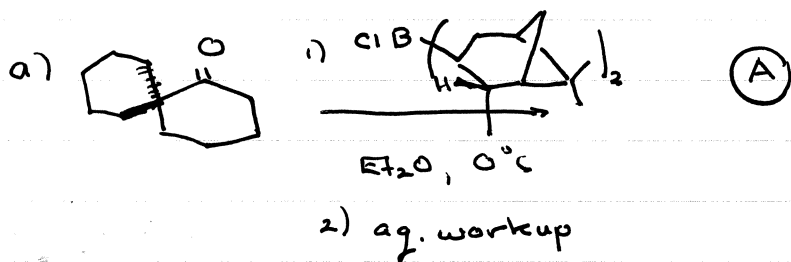
2. PROPOSE REASONABLE SYNTHESSES OF THE INDICATED COMPOUND^S FROM THE GIVEN STARTING MATERIALS. SHOW ANY ISOLABLE INTERMEDIATES AND GIVE PLAUSIBLE CONDITIONS. YOU MAY USE ANY OTHER REAGENTS YOU DEEM FIT.



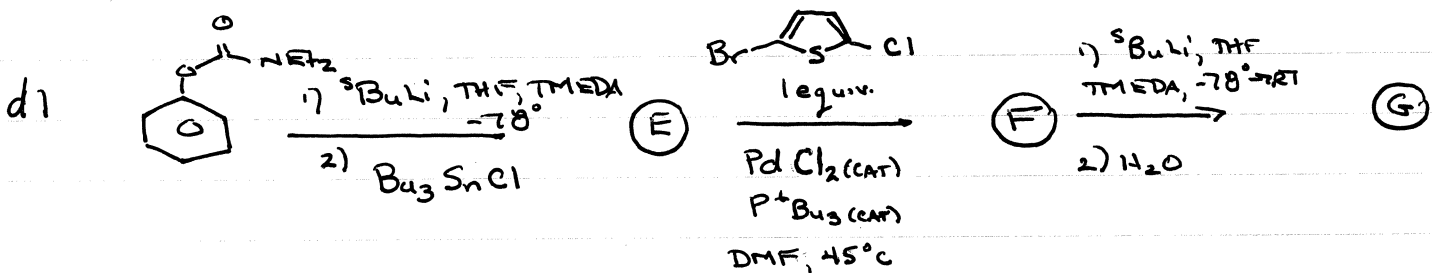
ASSIGNMENT #2

Nov. 6, 2013

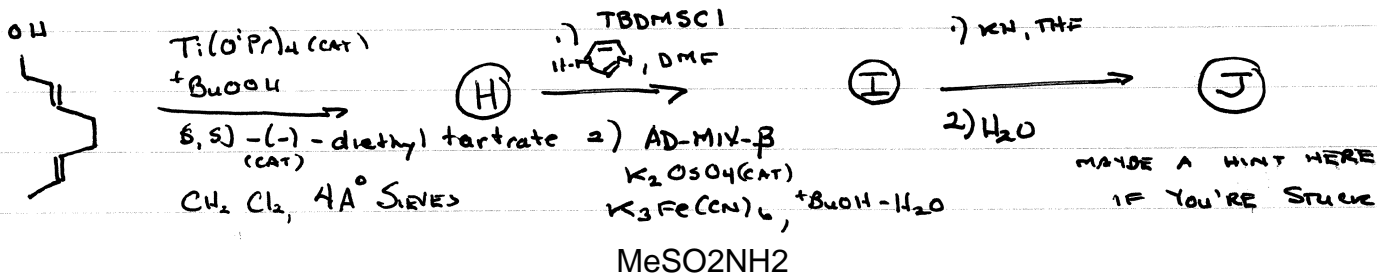
1. SUGGEST THE MOST REASONABLE PRODUCTS FOR THE FOLLOWING TRANSFORMATIONS. SHOW ANY ISOLABLE INTERMEDIATES. INCLUDE STEREOCHEMISTRY WHERE RELEVANT.



$\text{CH}_2\text{Cl}_2, 4A^\circ \text{SIEVES}$ FOR FULL MARKS, WAS THIS 2ND STEP A MATCHED OR MISMATCHED PAIR?



e) OK... THIS ONE IS A TOUGHIE, BUT....



2. PROPOSE REASONABLE SYNTHESSES OF THE INDICATED COMPOUND^S FROM THE GIVEN STARTING MATERIALS. SHOW ANY ISOLABLE INTERMEDIATES AND GIVE PLAUSIBLE CONDITIONS. YOU MAY USE ANY OTHER REAGENTS YOU DEEM FIT.

