Midterm 2, Chem 51C, Jarvo, Fall 16

Initials:

1 (22 points)

a. Which starting materials would you combine in the presence of NaOEt and HOEt to complete the syntheses?





c. Provide pKa's for **any 6** of the following compounds (if you do them all, we will count your best 6).









b.

Mechanism:		

Initials:

4. (12 points) Propose syntheses of the targets below. **All carbons** must come from the starting materials provided, you can use any reagent you wish. **YOU CAN IGNORE STEREOCHEMISTRY.**



Target A.

0 OCH₃

Target B.



Initials:

5. (16 points) Propose syntheses of the targets below (10 points). Init All carbons must come from the starting materials provided, you can use any reagent you wish. YOU CAN IGNORE STEREOCHEMISTRY.



Target A.

,CH₃ H₃C

Target B.

