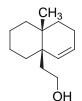
Chem 634 Problem Set 3 due Monday February 16, 2004 Prof. Fox

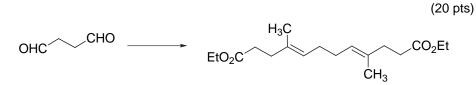
your name _____

Literature references are required only for steps 1 and 2

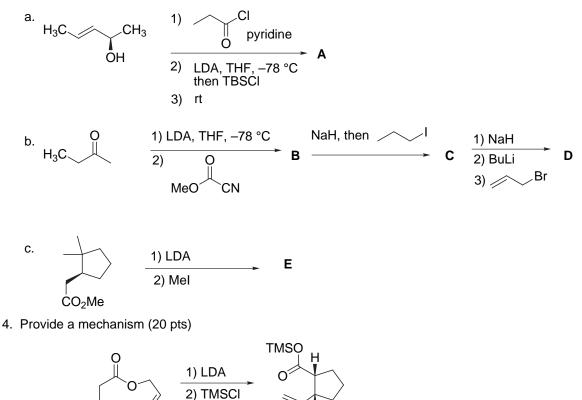
1. Outline a synthesis from commercial materials. Provide a literature reference for each step, (20 pts)



2. Outline a synthesis. Provide a literature reference for each step,

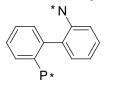


3. Predict the products of the following transformations (10 pts each)



5. Do a substructure search on Beilstein for the following. Draw the first structure that matches the description

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* = free site