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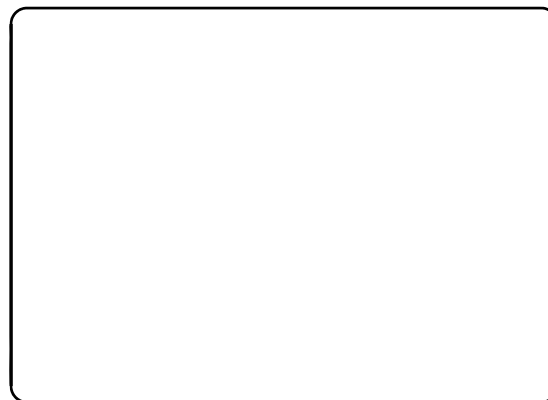
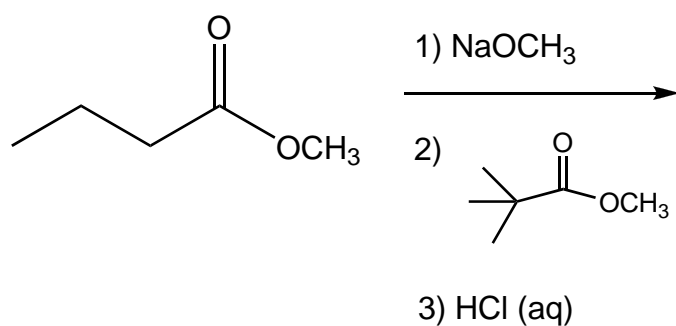
First Name:

UTEID:

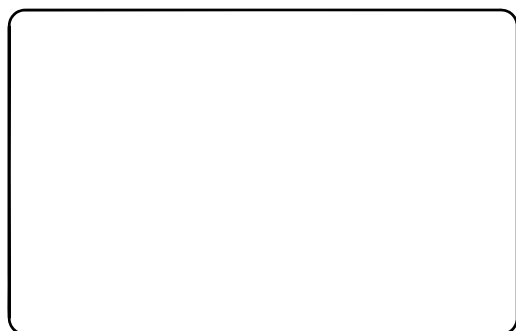
SCORE:

Deadline for CH 310 POW 9: Nov 2, 2009 3:00 PM

**Multi-step synthesis:** Provide products for the following sequence of reactions. Draw each product in the box provided.

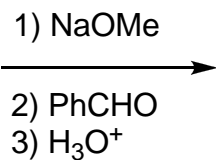
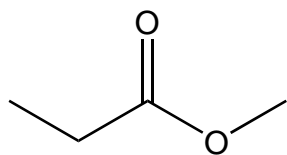


1) NaOH (aq)  
2) HCl (aq)

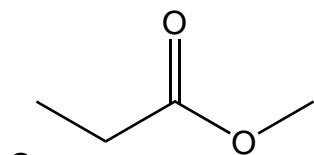


**Reactions:** Draw the products for the following transformations. No stereochemistry is required.

**A)**

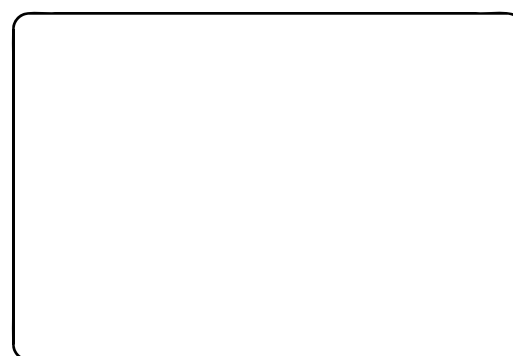
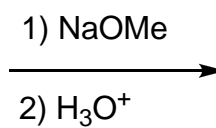


**B)**

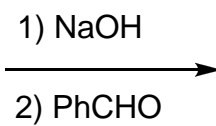
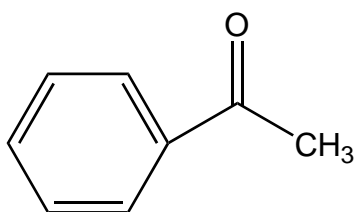


**2**

(It reacts with itself)



**C)**



**D)**

