## Chem 41c Quiz 3

Stoltz, Spring 2009 April 24, 2009

You have 25 min to take this quiz. It is closed note, closed book, and no collaboration is allowed. Please do not discuss the quiz with anyone until you receive it back graded. Place a box around your answers. There is no partial credit.

Predict the products (if any) of the following reactions: (5 points each)

1.

2.

3. Provide reagents for the following transformations. (5 points each)

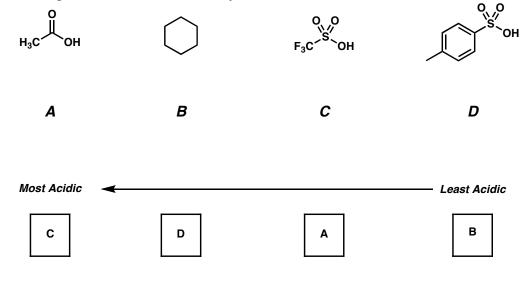
a.

b.

(also accept without the acid in the last step)

## **Bonus (5 points)**

Rank the following in terms of relative acidity.



Which has the lowest pKa?

С

