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## Organic II Lecture Spring 2008 Quiz #7 (10 points)

- 1. Provide a structure for isopropyl  $\beta$ -hydroxyvalerate. (2 points)
- 2. Predict the pKa value of propanoic acid within (+/-) 1 pK<sub>a</sub> units. (2 points)
- 3. Complete the reaction below by filling in the necessary reagents. (3 points, problem 20-39a)

PhCH<sub>2</sub>CH<sub>2</sub>OH PhCH<sub>2</sub>CCOOH

4. Draw a structure for the expected product of the reaction below. ( 3 points)