Name:\_\_\_\_\_

## Organic I Lecture Fall 2012 Quiz #10 (10 points)

1. Complete the following reaction by filling in the necessary reagents. (2 points, see problem 11-19a)

trans-4-methylcyclohexanol \_\_\_\_\_ trans-1-chloro-4-methylcyclohexane

2. Show how the product below can be made through a pinacol rearrangement by drawing a structure of the necessary starting material. (3 points)

3. Predict the structure of the product of the reaction below. (3 points)

4. Fill in the missing reagent in the following reaction. (2 points)