## Quiz 4. Wednesday Morning

Name:

Recitation Instructor:

You have 20 minutes to complete the following quiz.

1) Show a mechanism of the following transformation (5 points)

$$\begin{array}{c} O \\ \\ \end{array} \begin{array}{c} \\ \\ \end{array} \begin{array}{c} OH \\ \\ \\ C \equiv N \end{array}$$

2) Show the reagents necessary to carry out the following reaction (5 points)

3) Show how you would carry out the following transformation (10 points)