Chem 51C Quiz 6 (10 points; 10 minutes) June 1, 2015

**Academic Honesty Policy.** Academic honesty is strictly enforced on quizzes, exams, and other aspects of this course. Academic dishonesty will result in a failing grade in the class and a letter in the student's file. Activities constituting academic dishonesty include:

**Cheating**
- Copying from others during an examination.
- Communicating exam answers with other students during an examination.
- Offering another person's work as one's own.
- Taking an examination for another student or having someone take an examination for oneself.
- Tampering with an examination after it has been corrected, then returning it for more credit.
- Using unauthorized materials, prepared answers, written notes, or concealed information during an examination.

**Dishonest Conduct**
- Stealing or attempting to steal an examination or answer key from the instructor.
- Allowing another student to copy off of one's own work during a test.

**Collusion**
- Any student who knowingly or intentionally helps another student perform any of the above acts is subject to discipline for academic dishonesty.

I understand and will abide by this academic honesty policy: ____________________________ (signature) Seat: ______

1. Draw the structure that corresponds to the name *N,N*-diisopropylaniline (Smith 4th ed. 25.43d, 2 pts)

2. Rank the following compounds in order of increasing basicity: ____ < ____ < ____ (Smith 4th ed. 25.23, 2 pts)

3. Draw the product of the following reaction. (Smith 4th ed. 25.15c, 2 pts)

4. Draw the hydrocarbon product of the following reaction sequence. (Smith 4th ed. 25.29c, 2 pts)

5. Draw the products in the following reaction sequence. (adapted from Smith 4th ed. 25.34d, 2 pts)