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 a stepwise mechanism for the following reaction. Make sure to show each step of the reaction and all reactants, intermediates, products, charges, and all important lone pairs of electrons. (Smith 4th ed. 20.10, 2 pts)

   ![Stepwise mechanism](image)

2. Draw the product of the following LiAlH₄ reduction. (Smith 4th ed. 20.12c, 2 pts)

   ![Product of LiAlH₄ reduction](image)

3. 1-Octyne (HC≡CCH₂CH₂CH₂CH₂CH₃) reacts rapidly with CH₃MgBr and a gas is produced. Write a balanced equation for the reaction and identify the gas formed. (Smith 4th ed. 20.19, 2 pts)

   ![Balanced equation for reaction](image)

4. Draw the product of the following reaction. (Smith 4th ed. 20.40h, 2 pts)

   ![Product of reaction](image)

5. Draw the product of the following reaction. (Smith 4th ed. 20.43d, 2 pts)

   ![Product of reaction](image)