

Final Exam Practice Test

Exam 1 Material

1. How would you differentiate these compounds?

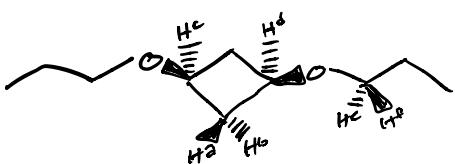


Reactant:

Product:

Explain:

2. State Relationship between labeled protons?



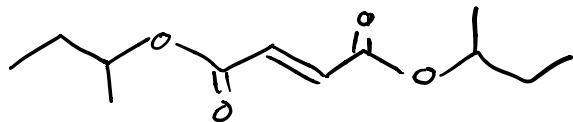
H^2 and H^6 :

H^3 and H^4 :

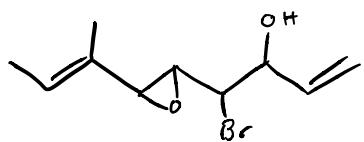
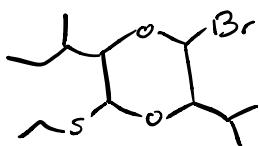
H^4 and H^5 :

H^5 and H^6 :

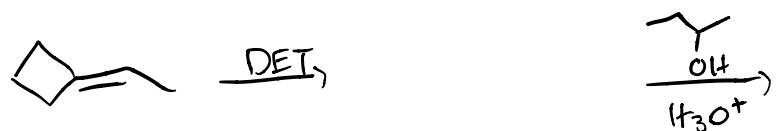
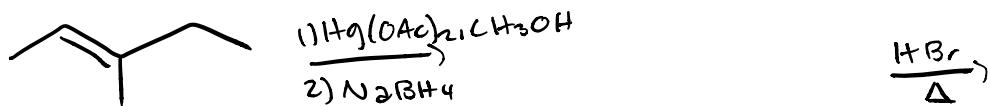
3. Predict the signals, δ , splitting pattern, intensity in ^1H NMR?



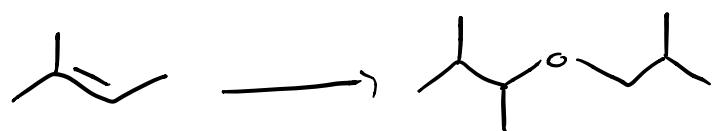
4. Name the following:



5. Predict the Products:



6. Synthesize the following:

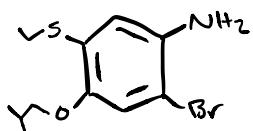
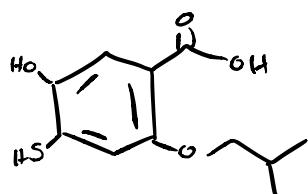
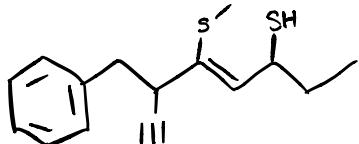


7. Show mechanism:

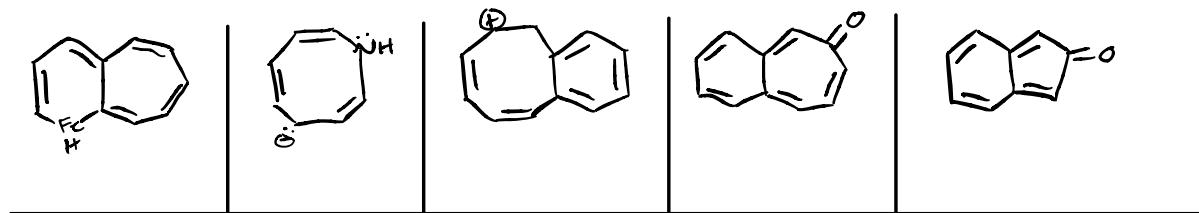


Exam 2 material

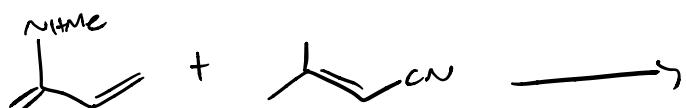
1. Name the following

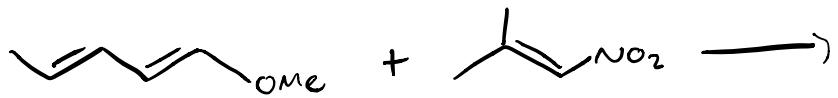
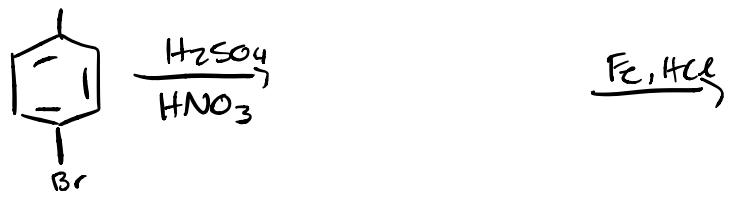


2. Classify the following as anti, non, or aromatic?

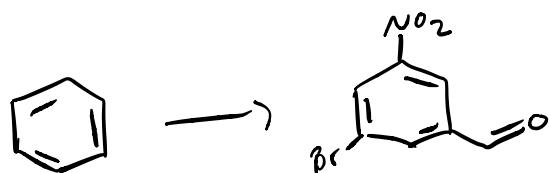
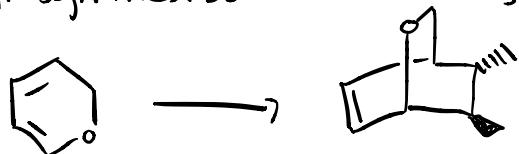


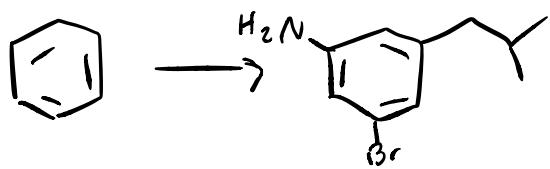
3. Predict the Products



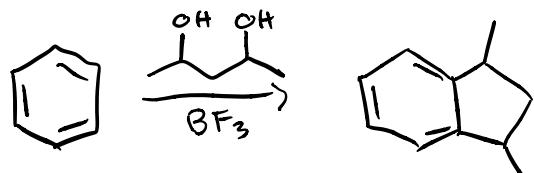


4. Synthesize the following



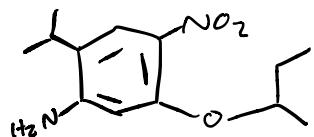
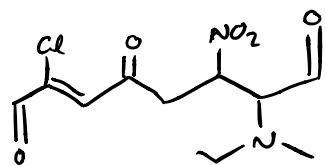
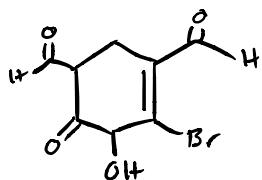


5. Propose a mechanism?

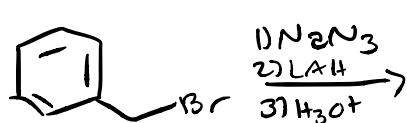
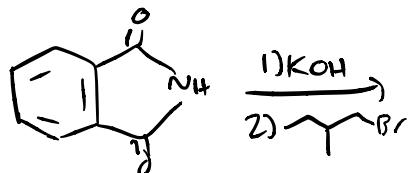
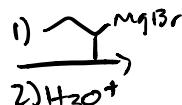
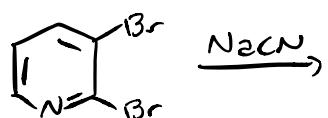
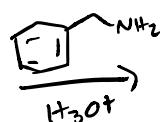


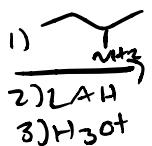
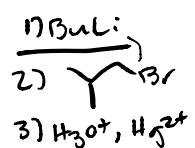
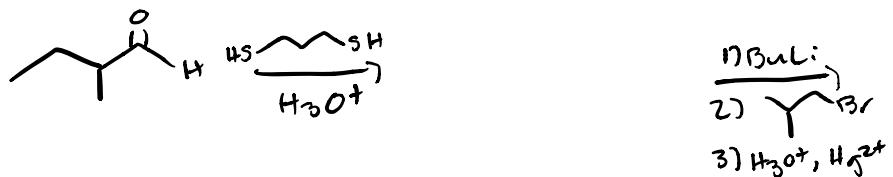
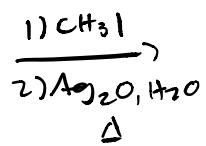
Exam 3 Material

1. Name the following



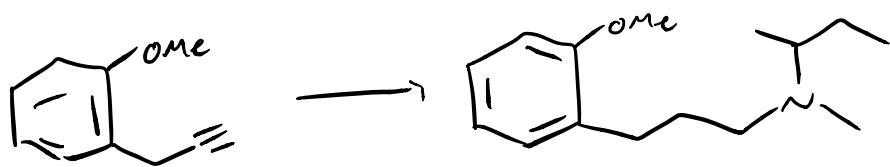
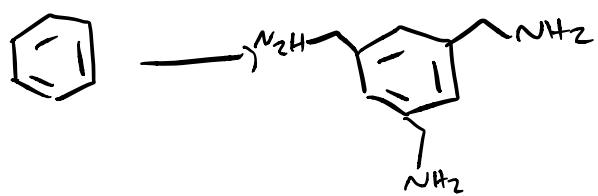
2. Predict the Products





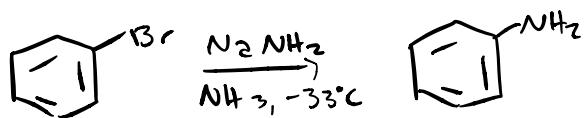
3. Synthesize the following





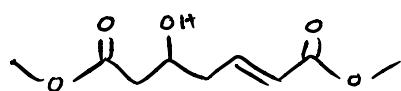
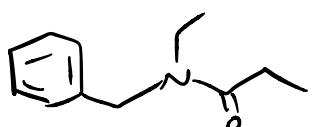
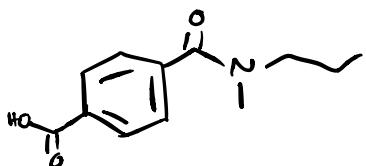
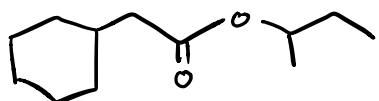
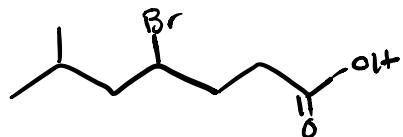
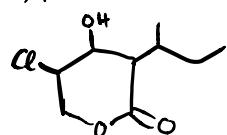
5. Mechanisms



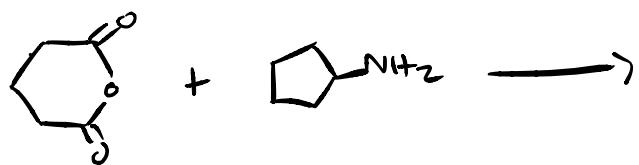
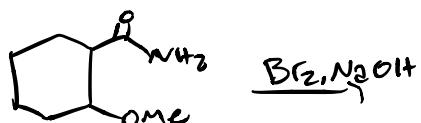
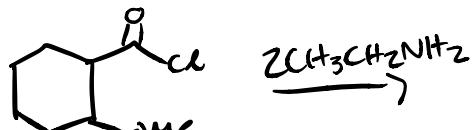
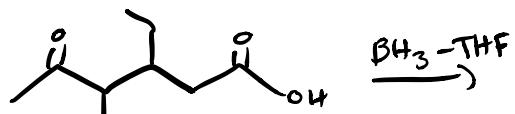
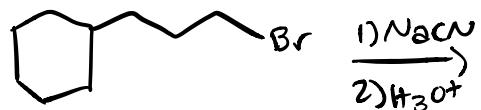
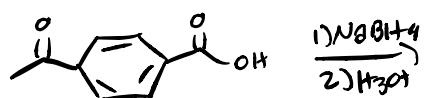
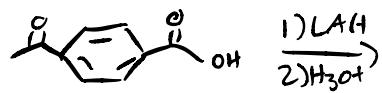


Worksheet 9 Practice

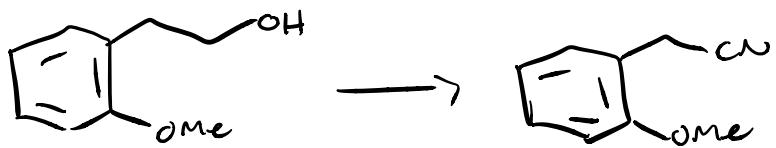
1) Name the following



2. Predict Products

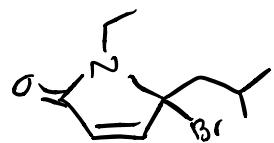
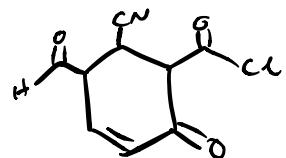
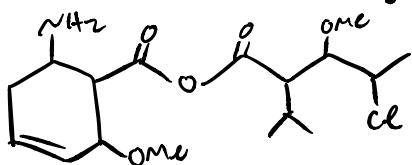


3. Synthesize



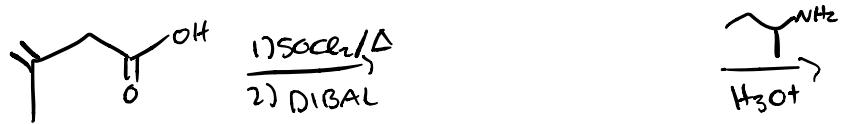
Homework 2:

1) Name the following

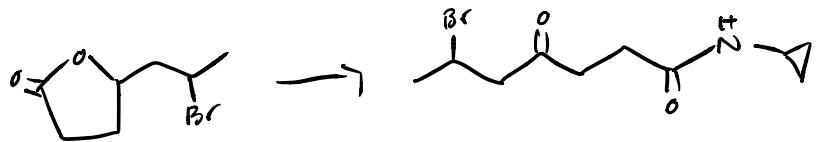
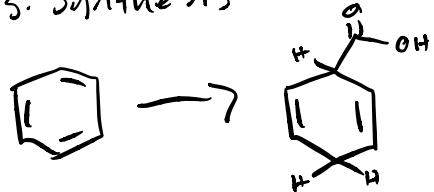


2. Predict the Product





3. Synthesis



4. Mechanisms

