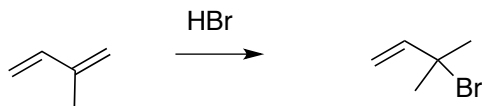


## Organic II (Quiz 1B)

Name:

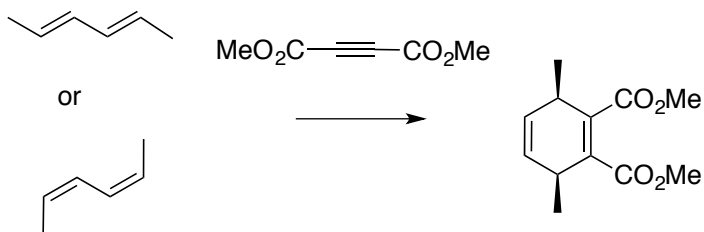
The following quiz starts 5 minutes into your recitation, at which point you have 30 minutes to complete it. Be as complete in your answers as possible for full credit. Good luck!

1a. Show a mechanism for the following reaction. (6 points each).



1b. Would the previous reaction be the thermodynamic or kinetic product? Explain your answer. (2 points)

2. Which of the following dienes would be faster. Explain your answer, and make sure to use structures in your explanation (6 points)



3. Predict the major product of the following reaction, making sure to show and explain the appropriate stereochemistry and regioselectivity (6 points)

