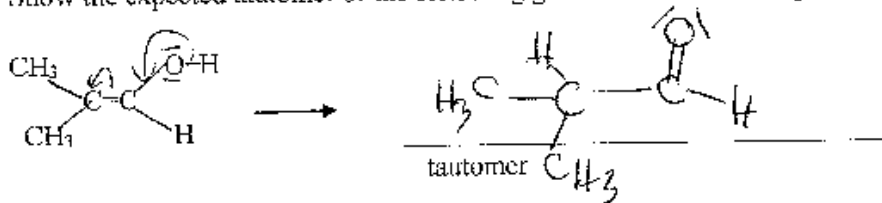


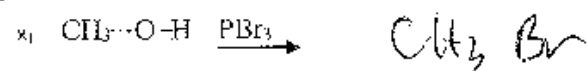
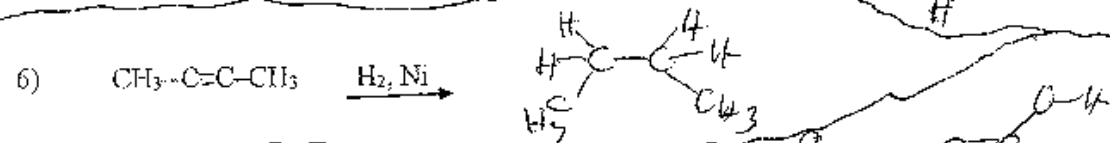
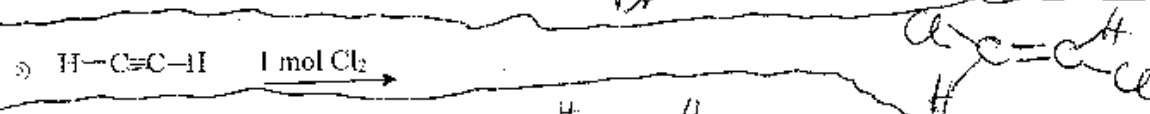
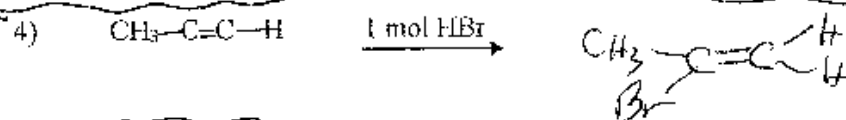
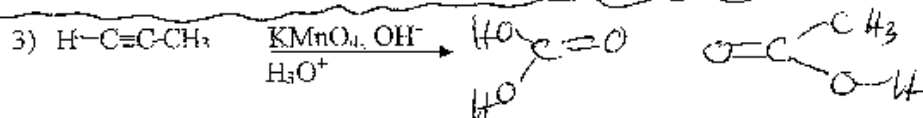
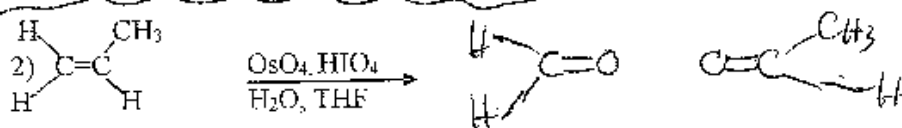
Organic I (CHEM 340) Fall 2015 Dr. Hahn MWF 11am Form A 11/9/15M Quiz V Exam # \_\_\_\_\_  
 Sign Name \_\_\_\_\_ Print Name K. C. G.  
 Show work on all questions for partial credit even on questions which do not specify show work (25 total pts)  
 (usually **circle one** refers to circle one **parenthesis**)

1. Show the expected tautomer of the following given structure showing electron pushing arrows. (10 pts)



2. Complete the following Organic Reactions by giving the structural formula of the Organic Product.

**Circle the letter of the 5 reaction which you want counted.** Write **EC** by the one reaction which you want counted as an extra credit problem if you do not choose, I will just grade the first 5 reactions and grade the 6<sup>th</sup> as extra credit. (EC worth 4 pts) (5 pts each, 15 pts total)



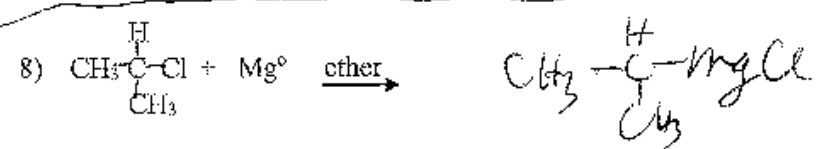
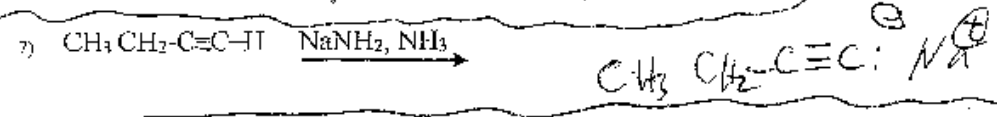
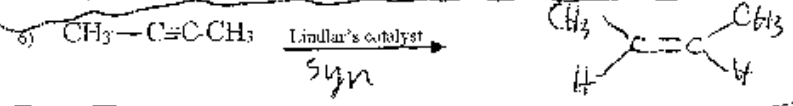
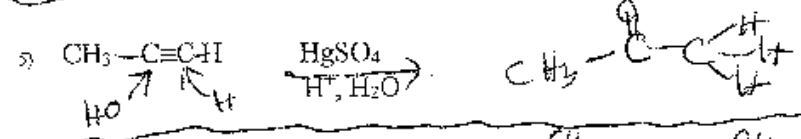
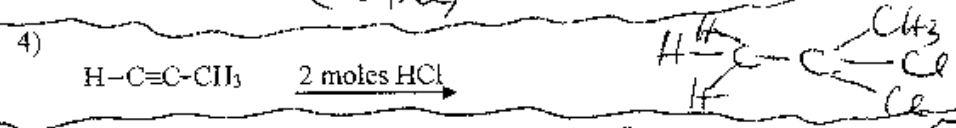
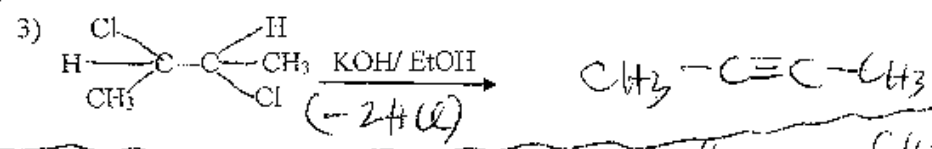
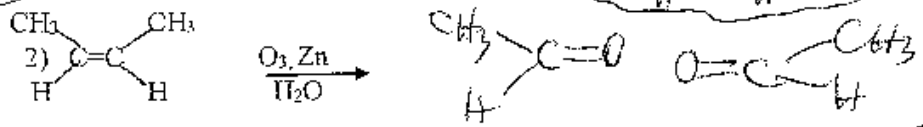
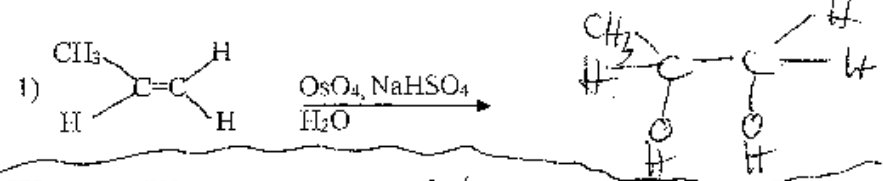
Organic I (CHEM 340) Fall 2015 Dr. Hahn MWF 11am Form B 11/9/15M Quiz V Exam # \_\_\_\_\_  
 Sign Name \_\_\_\_\_ Print Name key  
 Show work on all questions for partial credit even on questions which do not specify show work. (25 total pts)  
 (usually circle one refers to circle one parenthesis) color

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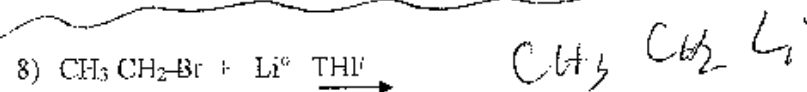
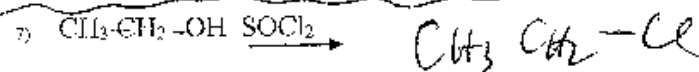
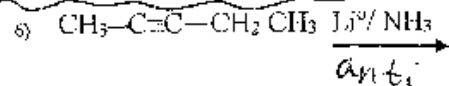
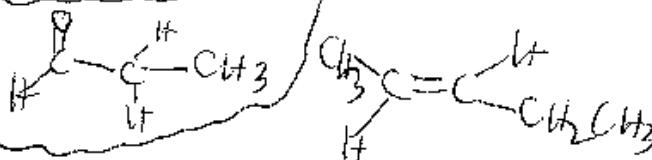
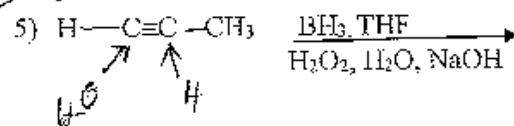
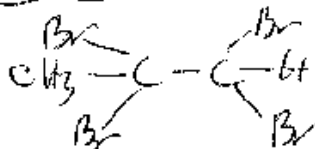
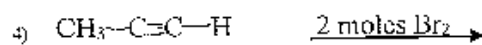
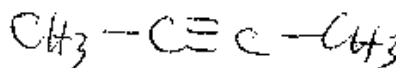
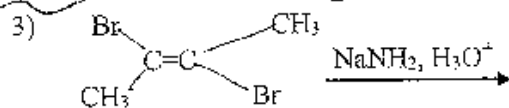
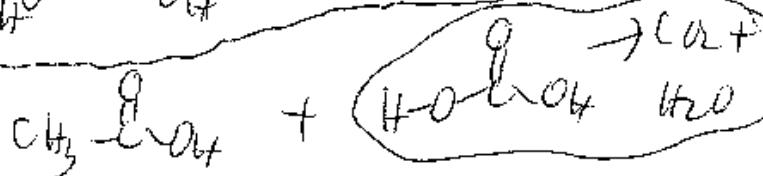
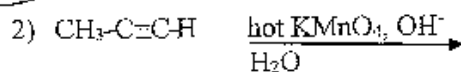
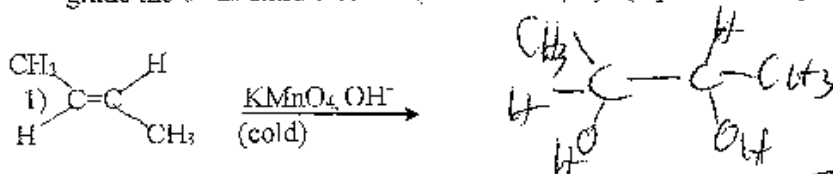
Show work on all questions for partial credit even on questions which do not specifically show work. (25 total pts)  
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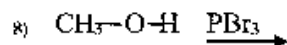
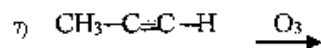
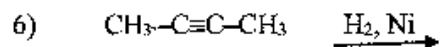
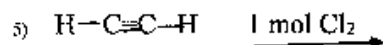
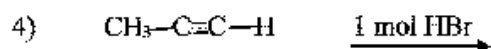
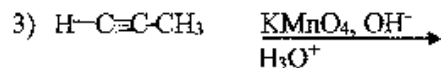
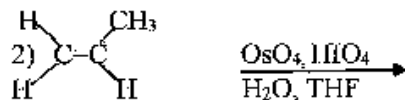
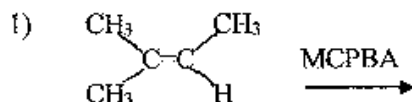
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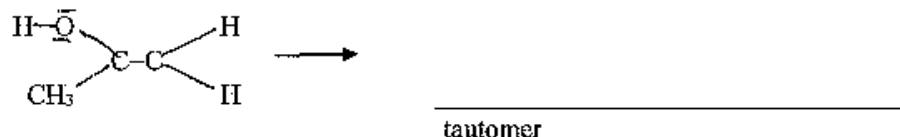
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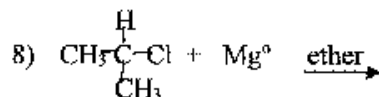
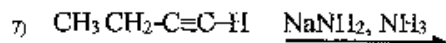
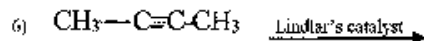
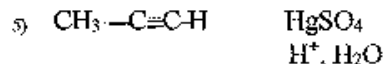
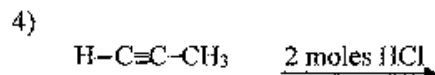
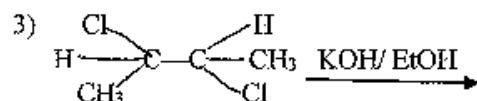
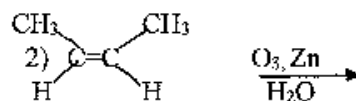
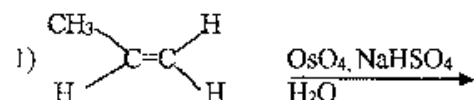
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Sign Name \_\_\_\_\_ Print Name \_\_\_\_\_

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