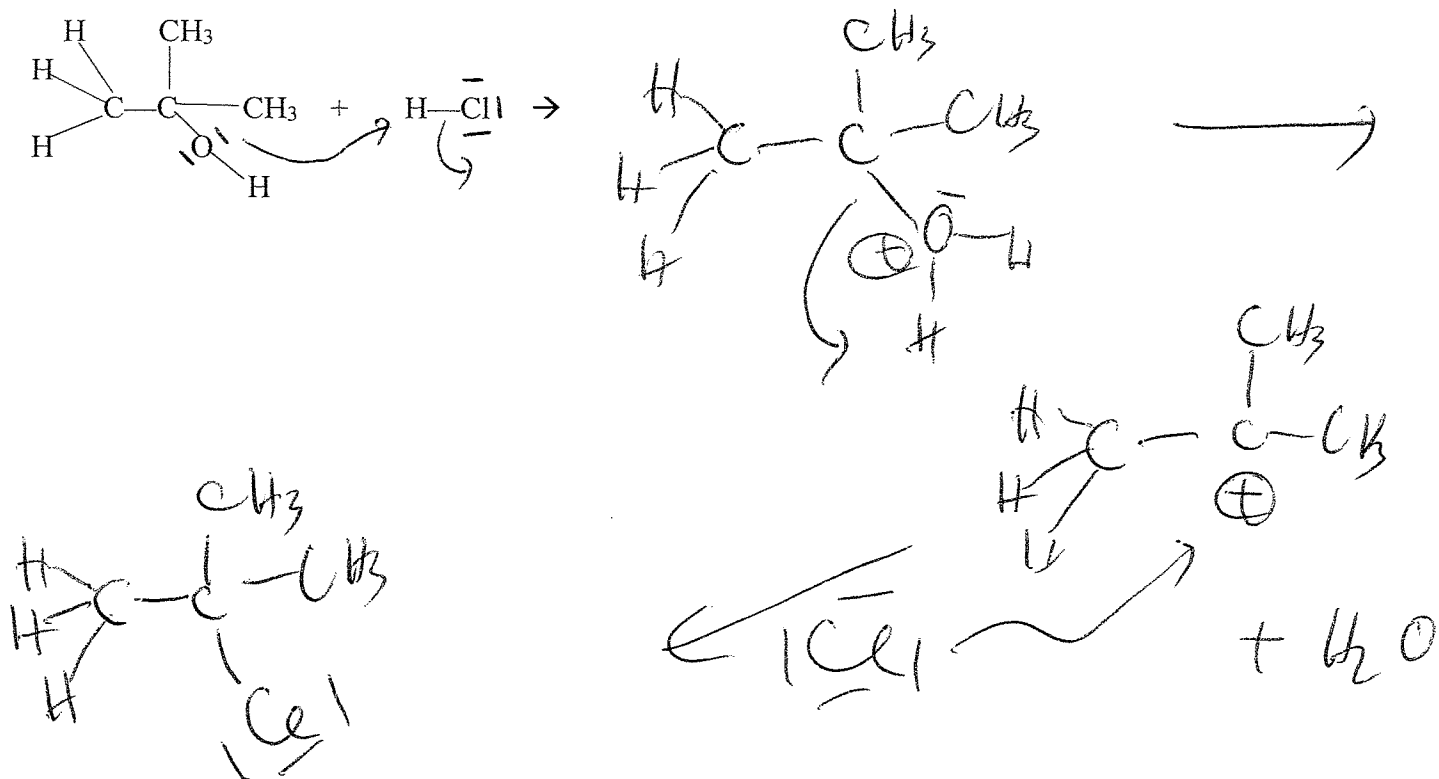


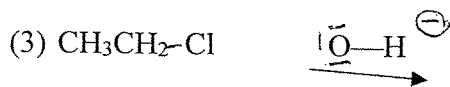
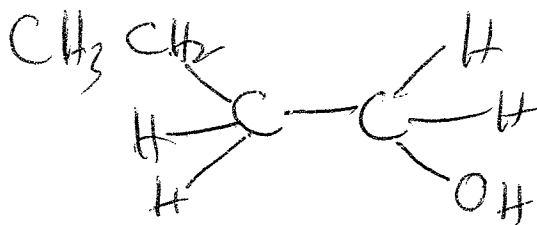
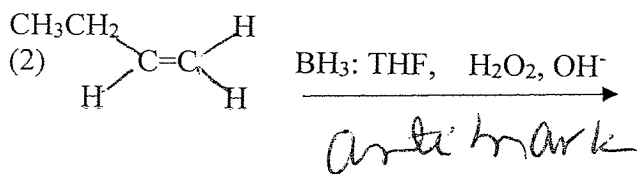
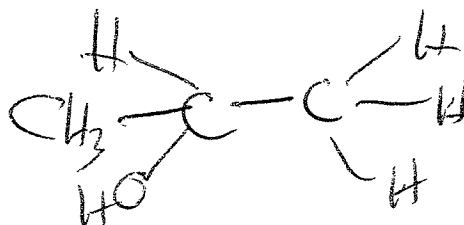
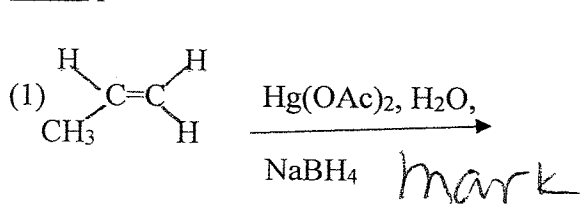
Sign Name Key Print Name _____

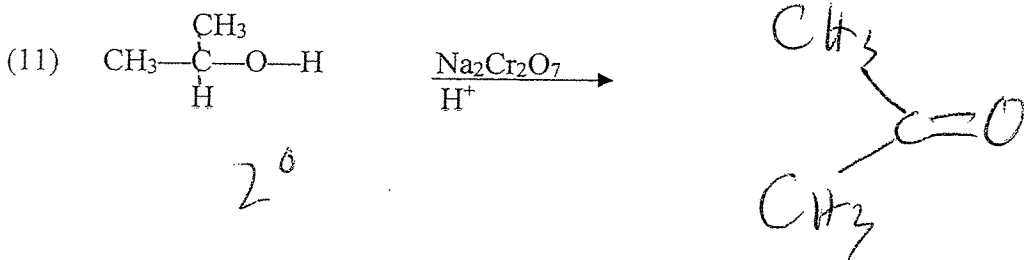
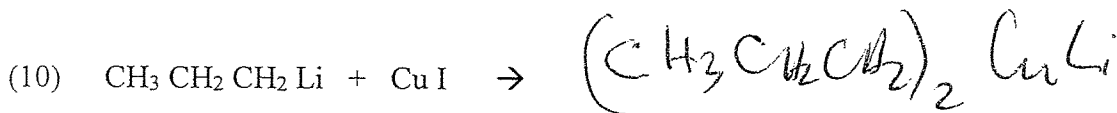
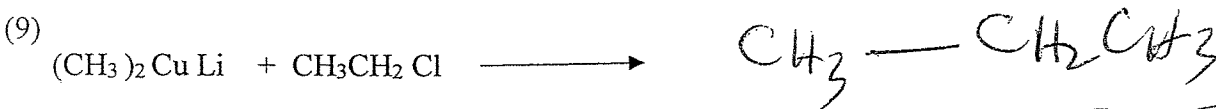
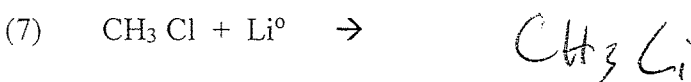
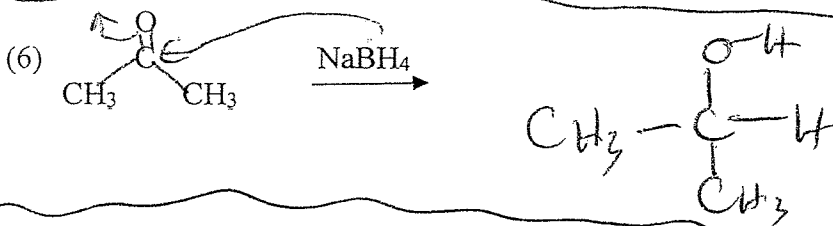
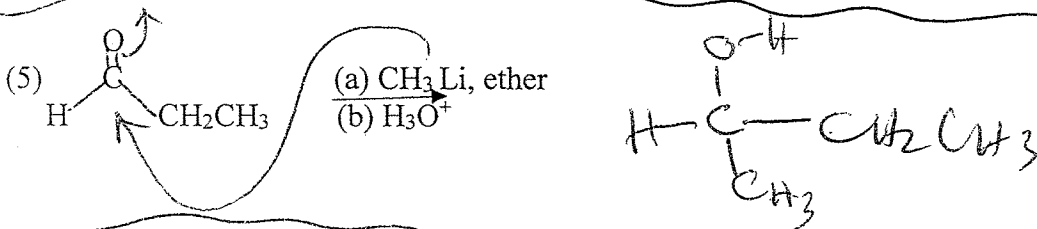
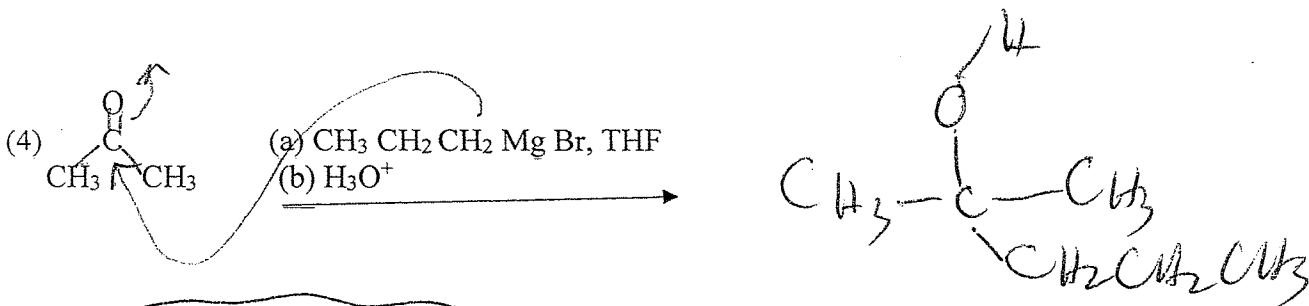
Please show work on all questions for partial credit even on questions which do not specify. (50 total pts)

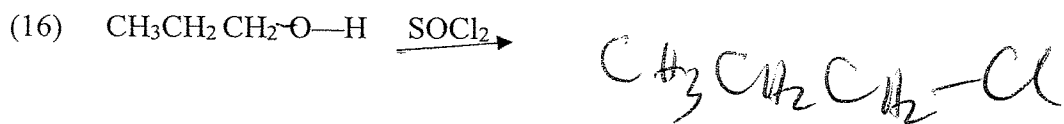
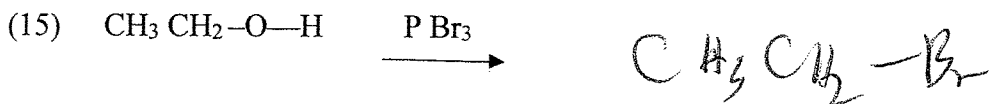
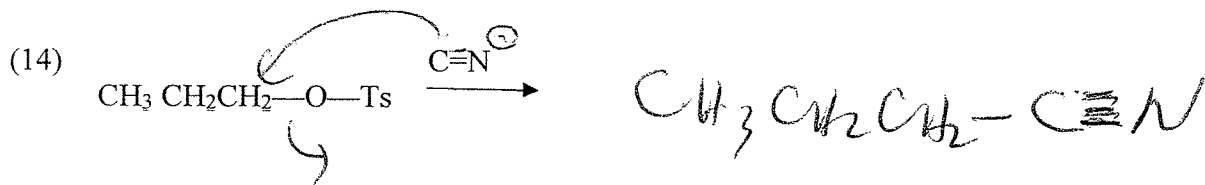
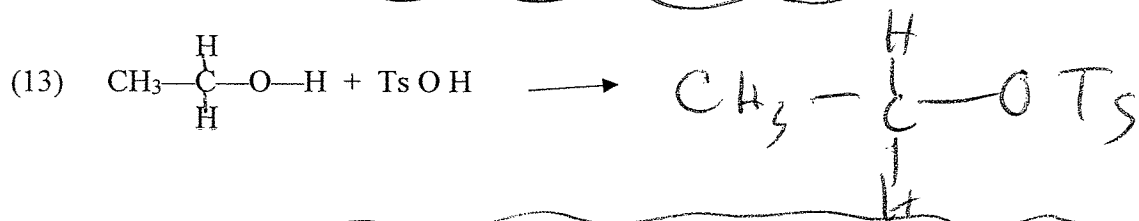
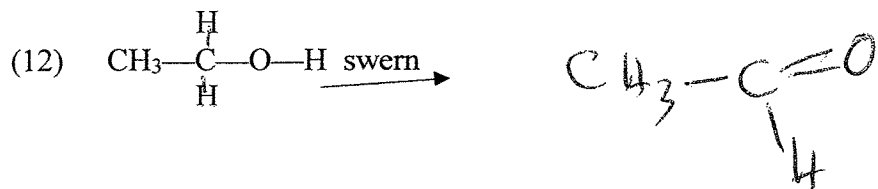
1. Complete the reaction mechanism for a S_N1 reaction. (26 pts)



2. **Circle 8 of the following reactions you want graded.** (3 pts each, 24 pts total) If you do not circle, I will just grade the first 8 reactions. Extra Credit: 3 pts each reaction **up to a maximum of 9 extra credit** points.

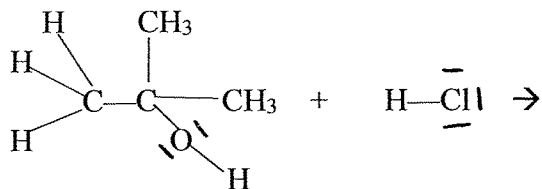






Sign Name _____ Print Name _____

Please show work on all questions for partial credit even on questions which do not specify. (50 total pts)

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