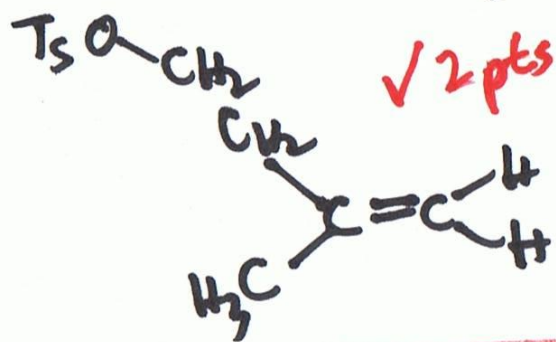
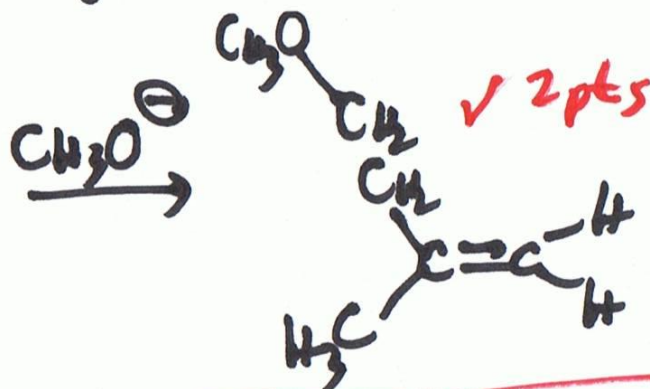


Grading synthesis (for example
#3 p. 8 of OC II Exam II Fall 2015
Semester) - many get A, B, C correct



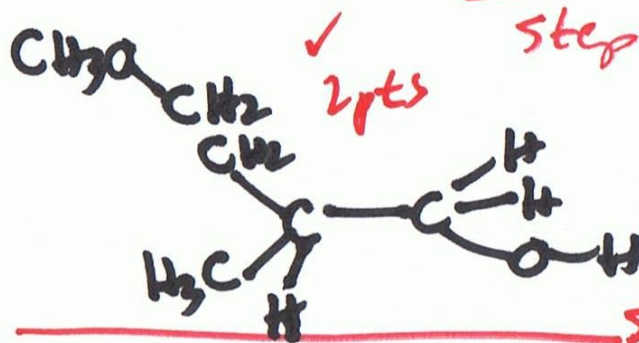
Step A



Step B

① BH_3 , TBF

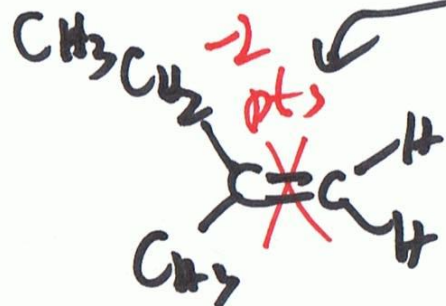
② H_2O_2 , OH^-



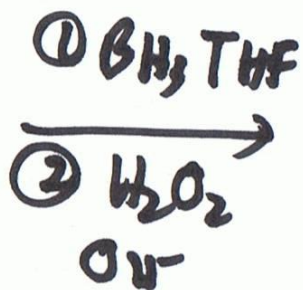
Step C

Correct
step C

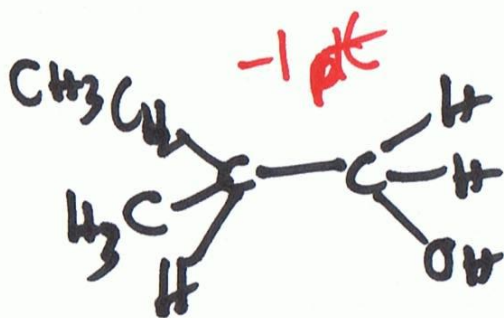
John gets step B wrong + gets



step B



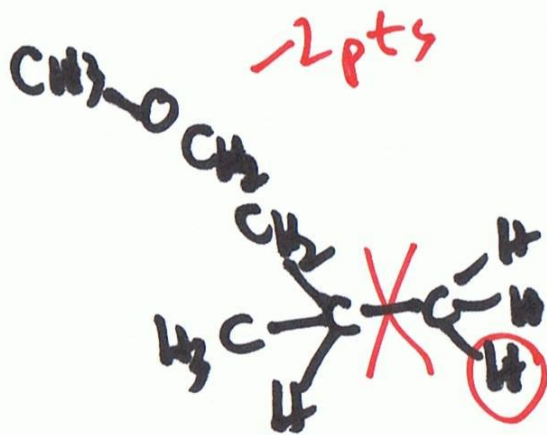
B does go
to give C
as product
so John
gets



1/2 credit
for C

step C

Jane gets step B wrong + gets

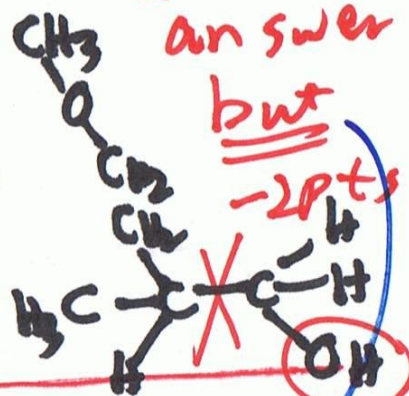


① BH_3
THF

② $LiAlH_4$
 OH^-

- Jane gets B
wrong

- Jane's C
correct
answer
but



Step B

Jane's B
does not result
in Jane's C
H does not become OH

Step C

H does not become OH