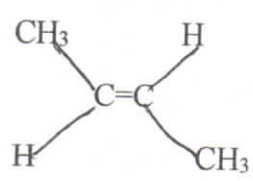
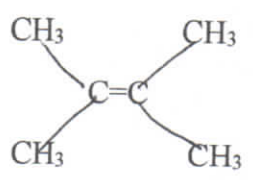


Name Key Print Name _____

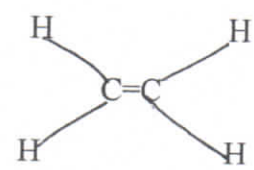
1. Considering Zaitsev's law, put in order from most stable to least stable by labeling each blank by (most stable) (medium stable) (least stable) (3 pts)



medium stable

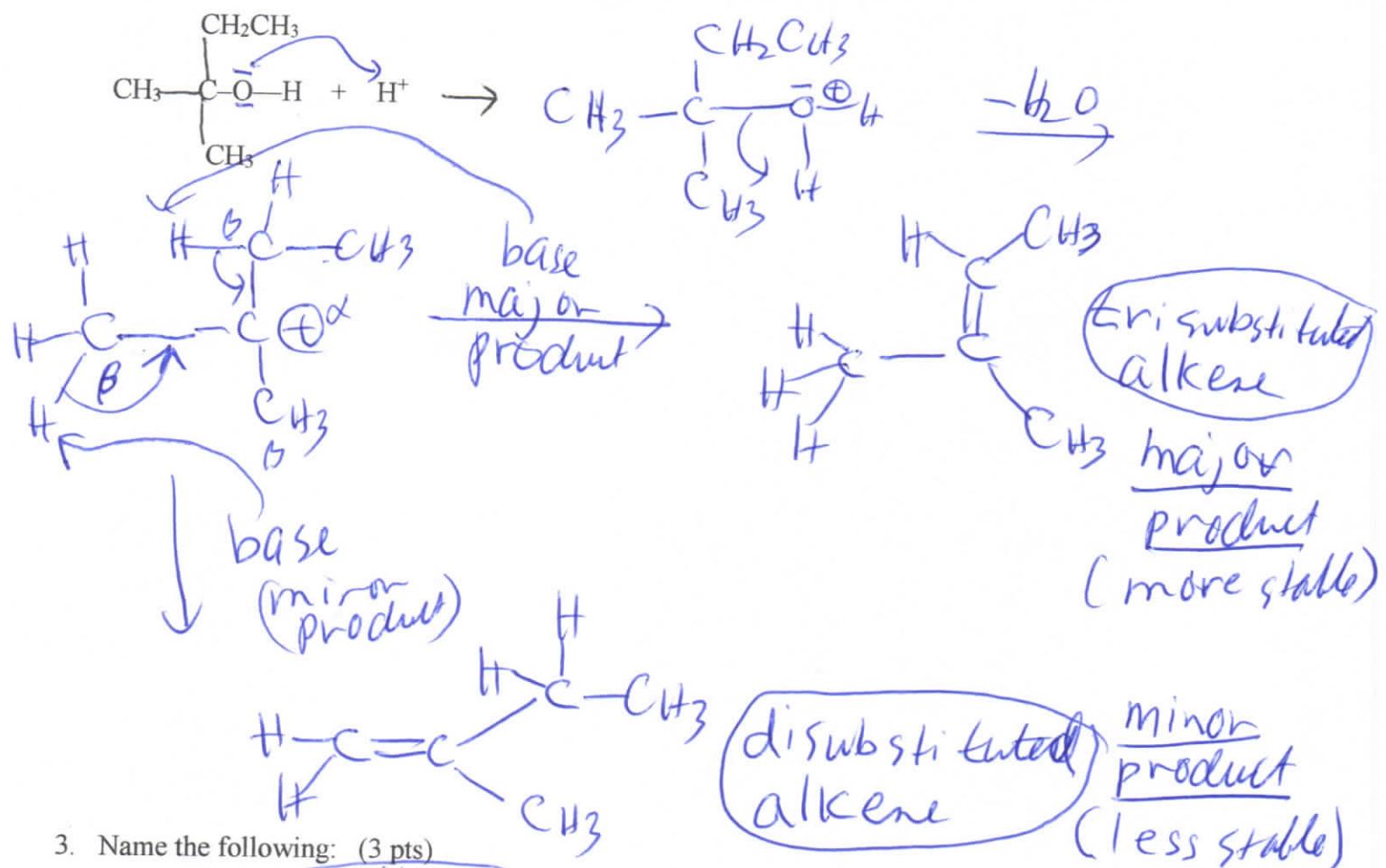


most stable

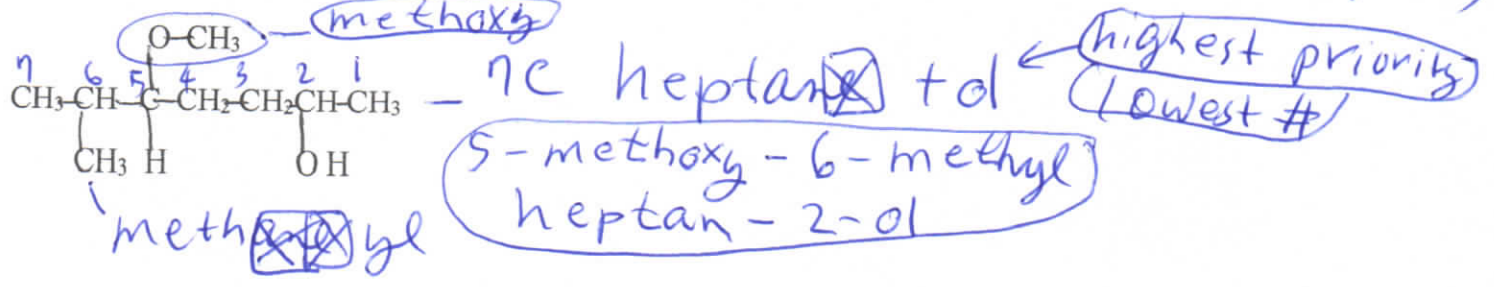


least stable

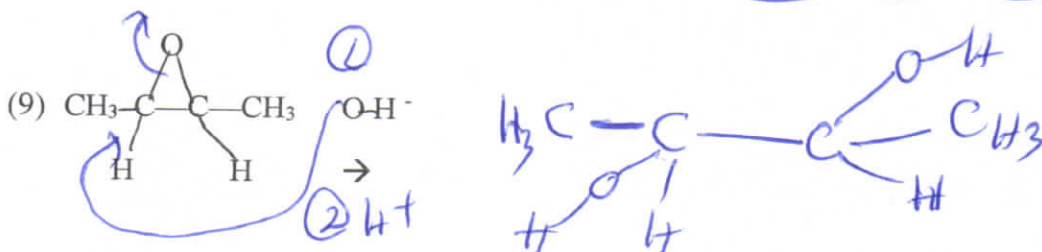
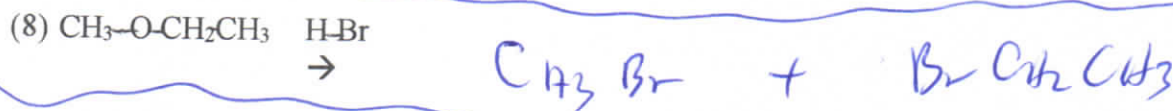
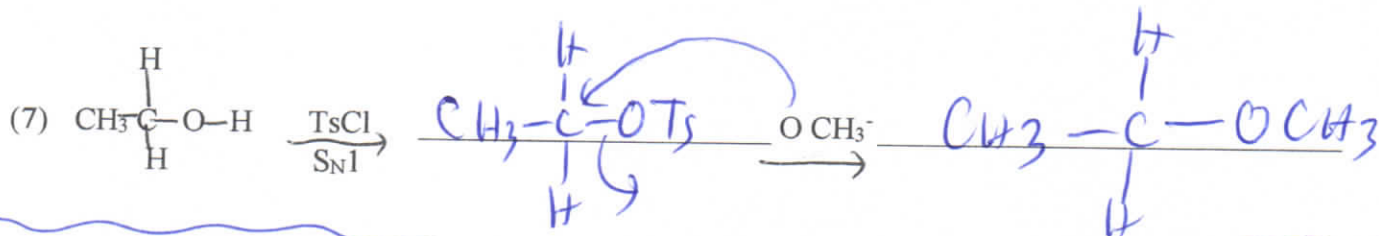
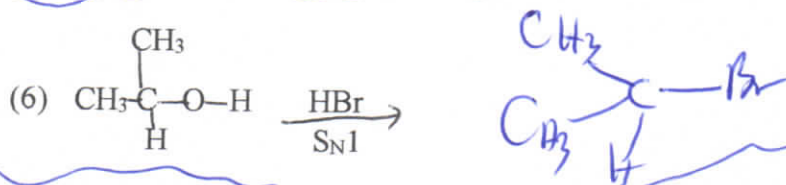
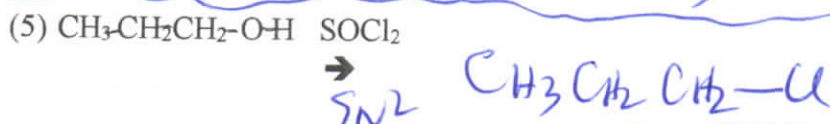
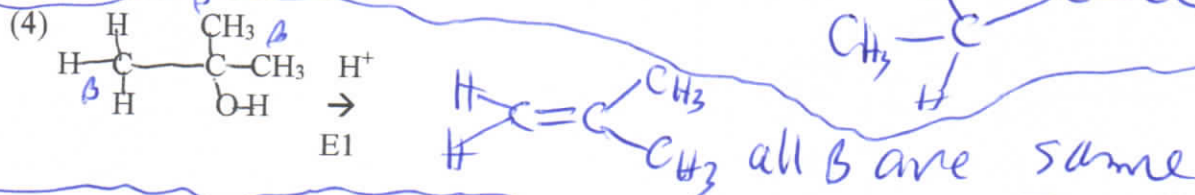
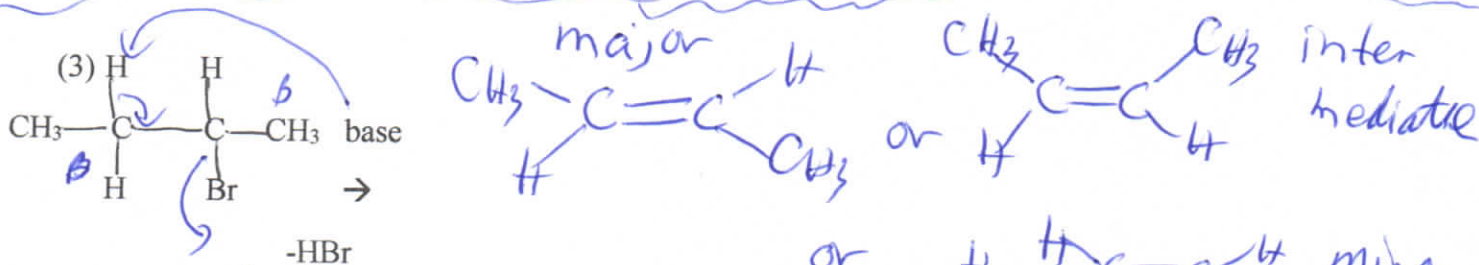
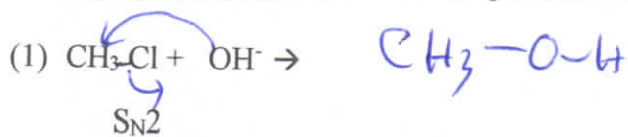
2. Complete an E1 reaction mechanism for the reaction of the following. Give the mechanism to the major product. (must show intermediate OR transition state) (12 pts)



3. Name the following: (3 pts)

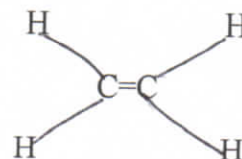
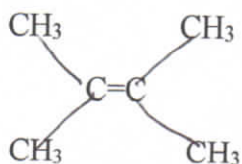
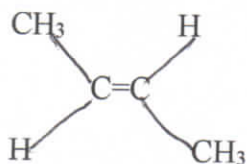


4. Complete the following reaction by giving the organic product. 1 pt per reaction (If do all 9 get 2 pts extra credit) (7 pts if do 7, 9 pts if do all 9)

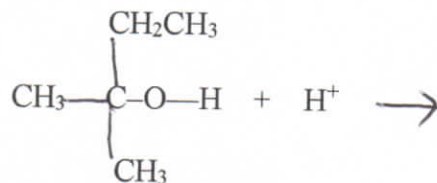


Name _____ Print Name _____

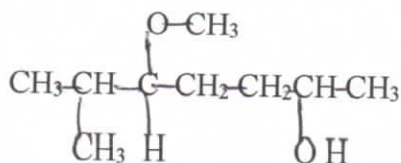
1. Considering Zaitsev's law, put in order from most stable to least stable by labeling each blank by (most stable) (medium stable) (least stable) (3 pts)



2. Complete an **E1** reaction mechanism for the reaction of the following. Give the mechanism to the major product. (must show intermediate OR transition state) (12 pts)



3. Name the following: (3 pts)



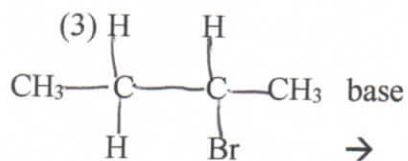
4. Complete the following reaction by giving the organic product. 1 pt per reaction (**If do all 9 get 2 pts extra credit**) (7 pts if do 7, 9 pts if do all 9)



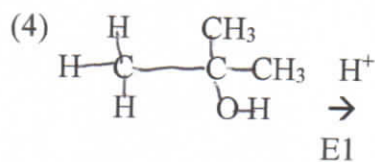
$\text{S}_{\text{N}}2$



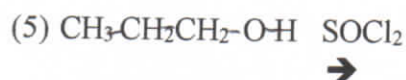
$\text{S}_{\text{N}}2$



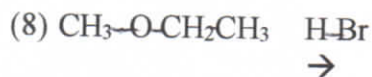
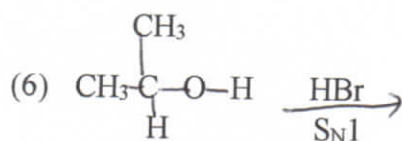
$-\text{HBr}$



E1



\rightarrow



\rightarrow

