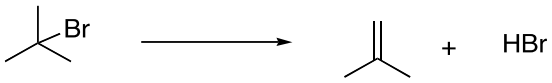
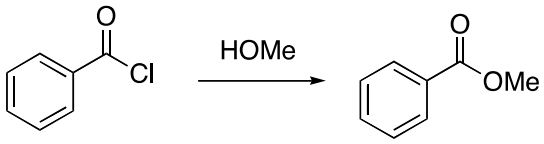
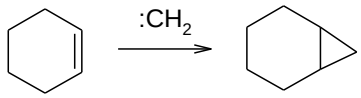
Power Point Study– 06-1Organic Reactions Name:

1) Classify the following reactions in one of the four categories: addition, elimination, substitution and rearrangement.

a) 

b) 

c) 

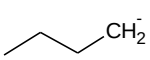
2) Indicate the positive and negative centers using δ+ and δ- in the following compounds. (Hint: draw the Lewis structure first with the appropriate bond angles)

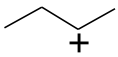
CH_2O NH_3 H_2O

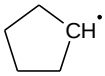
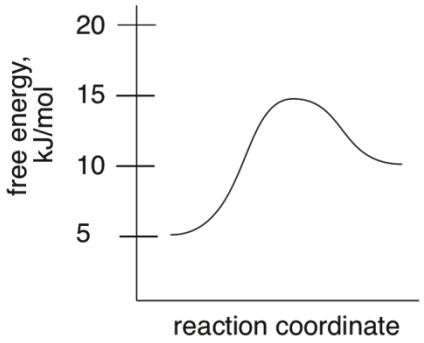
3) Classify the following as Lewis acids or Lewis bases. (Hint: look for high electron densities)

NH_3 BH_3 CH_3^+ NH_2^- $CH_2{=}CH_2$

4) Label the following as carbocation, carbonanion, carbene or radical.

$:CH_2$ 





5) Give the description of the following graph, i.e. endothermic, E_a, two steps/one step?