**exercise #1:**

*Review of the`full Monty’ of alkene reactions*

**Organic Chem II Alfred State College**

1. Fill in the reagent(s) and conditions for converting 2-methyl-2-hexene to each of the products below:



1. Fill in the missing boxes involved in the conversions of isobutylene below:



1. Provide examples of three different pathways leading to cyclo compounds

a)

b)

c)

1. There are two alternative routes to make anti- versions of 1,2-dihydroxyethane from ethene. What are they ?

a)

b)

1. There are two different choices of reagents leading to syn-versions of 1,2-dihydroxyethane from ethene. What are they ?

a)

b)



1. Predict the polymer formed by reacting: n



7.

1. What alkene originally was present if the final product of ozonolysis is:

