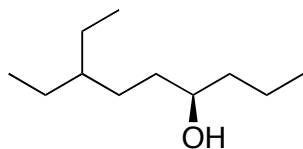
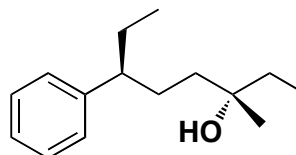


CEM143, Problem Set #7
Chapter 7: Alcohols and Phenols

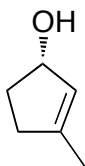
1. Give the proper IUPAC names of the following molecules (indicate stereochemistry when appropriate):



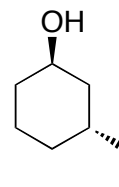
(R)-7-ethylnonan-4-ol



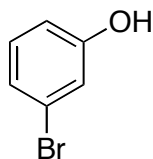
(3S,6S)-3-methyl-6-phenyloctan-3-ol



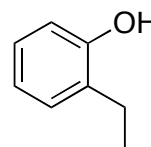
(S)-3-methylcyclopent-2-en-1-ol



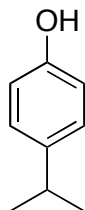
(1R,3R)-3-ethylcyclohexanol



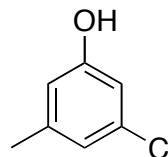
m-bromol phenol



o-ethyl phenol

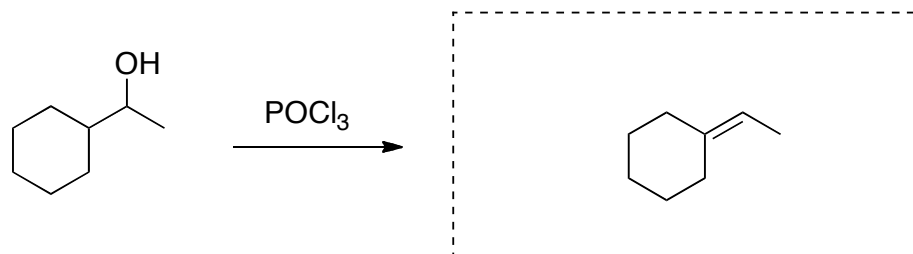
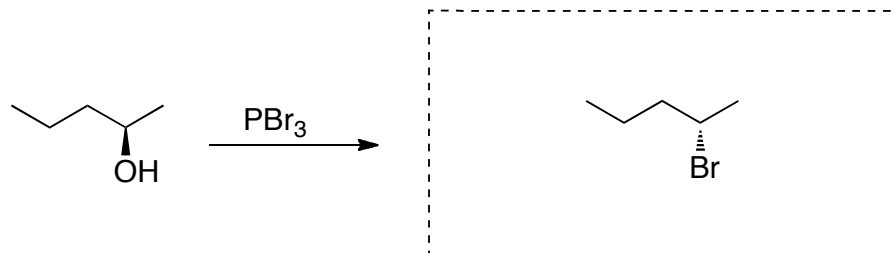
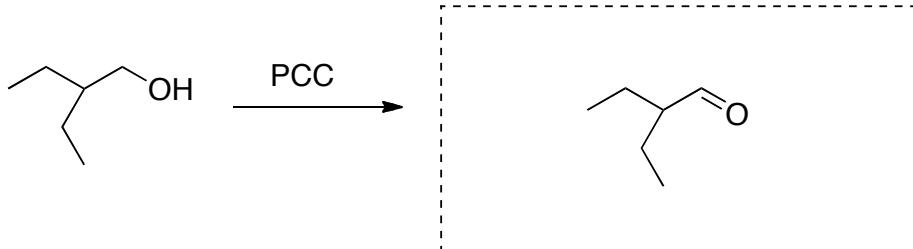
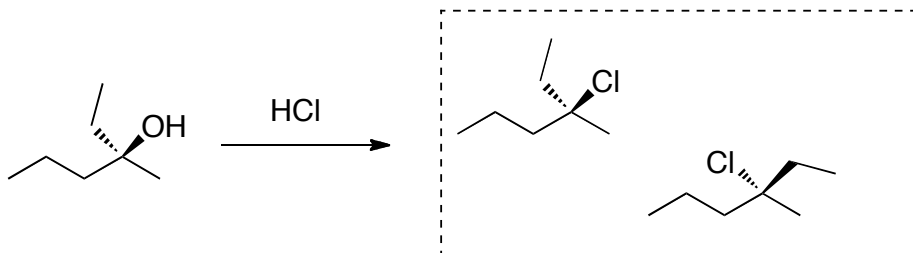
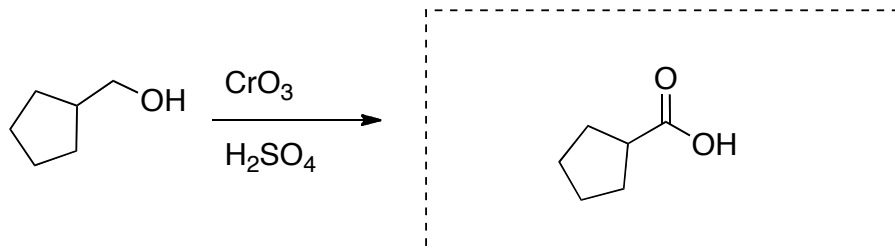
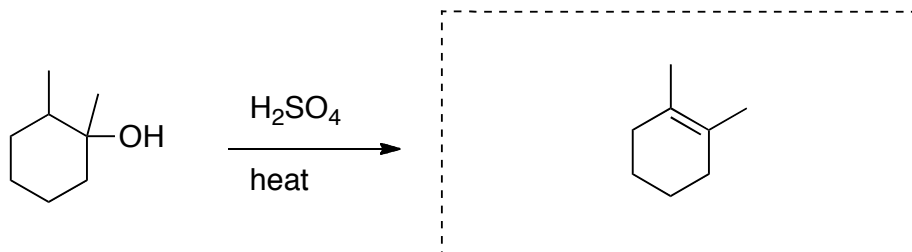


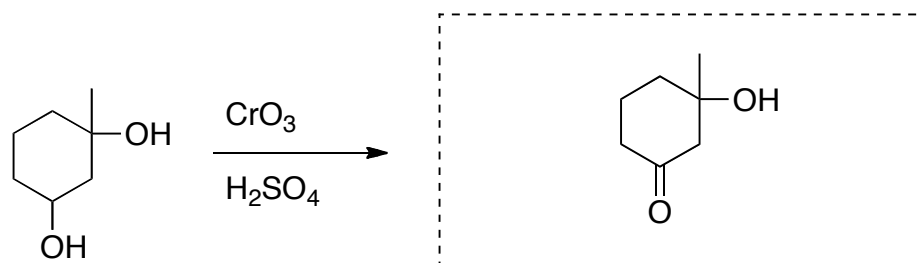
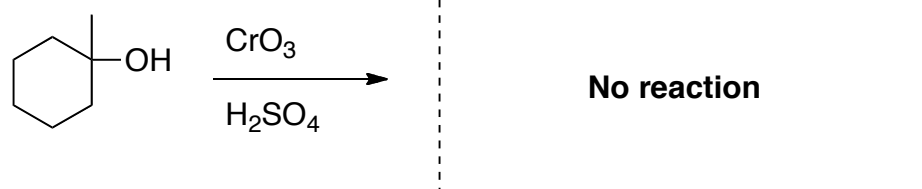
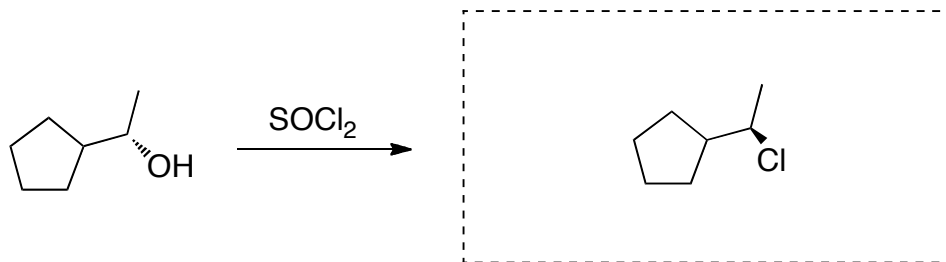
p-isopropyl phenol



3-chloro 5-methyl phenol

2. Complete the following reactions (indicate stereochemistry where appropriate).





3. Label the following reactions as “Oxidations”, “Reductions” or “Neither”

