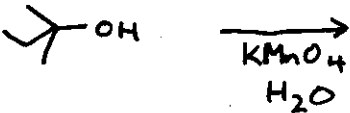
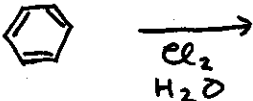
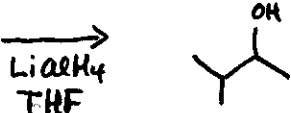
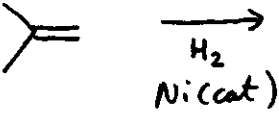
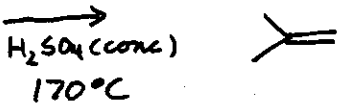
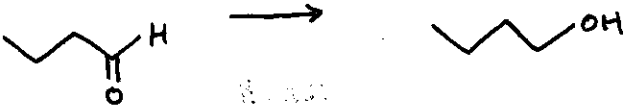
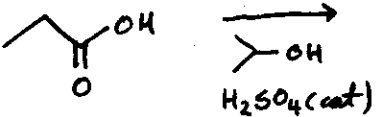
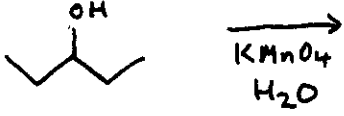
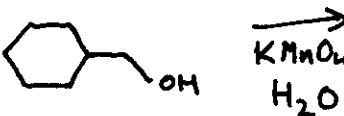
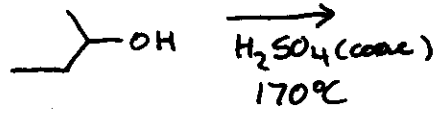
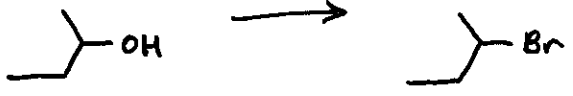
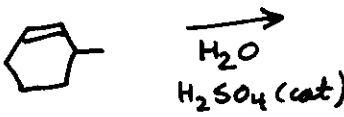
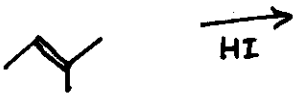
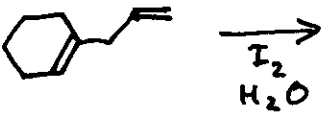
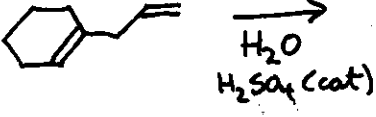
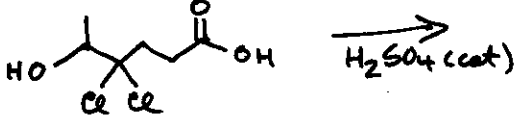
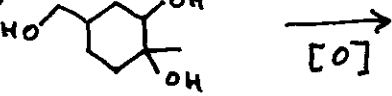
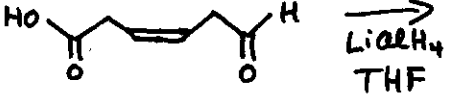
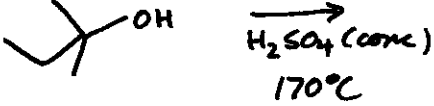


Name: _____

Organic Chemistry Reaction Assignment

1. For each of the following, complete the reaction by filling in the major organic product, or reaction conditions, or reactant. After each reaction describe the type of reaction using one or two words (i.e. addition, hydration)

Reaction	Description
a) 	
b) 	
c) 	
d) 	
e) 	
f) 	
g) 	
h) 	

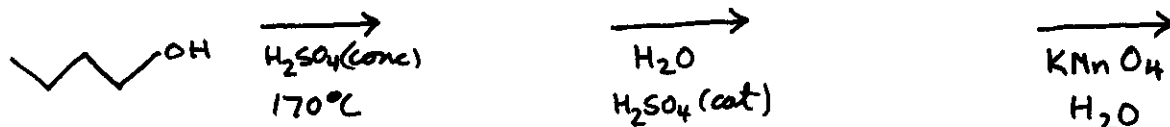
<p>i)</p>  <p> <chem>C1CCCCC1CO</chem> $\xrightarrow[\text{H}_2\text{O}]{\text{KMnO}_4}$ </p>	
<p>j)</p>  <p> <chem>CC(C)(C)C(C)(C)O</chem> $\xrightarrow[170^\circ\text{C}]{\text{H}_2\text{SO}_4(\text{conc})}$ </p>	
<p>k)</p>  <p> <chem>CC(C)(C)C(C)(C)O</chem> \longrightarrow <chem>CC(C)(C)C(C)(C)Br</chem> </p>	
<p>l)</p>  <p> <chem>C1=CCCCC1</chem> $\xrightarrow[\text{H}_2\text{SO}_4(\text{cat})]{\text{H}_2\text{O}}$ </p>	
<p>m)</p>  <p> <chem>CC(C)=CC</chem> $\xrightarrow{\text{HI}}$ </p>	
<p>n)</p>  <p> <chem>C1=CCCCC1C=C</chem> $\xrightarrow[\text{H}_2\text{O}]{\text{I}_2}$ </p>	
<p>o)</p>  <p> <chem>C1=CCCCC1C=C</chem> $\xrightarrow[\text{H}_2\text{SO}_4(\text{cat})]{\text{H}_2\text{O}}$ </p>	
<p>p)</p>  <p> <chem>CC(C)C(Cl)(Cl)C(O)C(=O)O</chem> $\xrightarrow[\text{H}_2\text{SO}_4(\text{cat})]{}$ </p>	
<p>q)</p>  <p> <chem>C1CCC(O)C(O)C1O</chem> $\xrightarrow{[\text{O}]}$ </p>	
<p>r)</p>  <p> <chem>CC(O)C=CC=O</chem> $\xrightarrow[\text{THF}]{\text{LiAlH}_4}$ </p>	
<p>s)</p>  <p> <chem>CC(C)(C)C(C)(C)O</chem> $\xrightarrow[170^\circ\text{C}]{\text{H}_2\text{SO}_4(\text{conc})}$ </p>	

2. Complete each of the following reaction sequences as completely as possible.

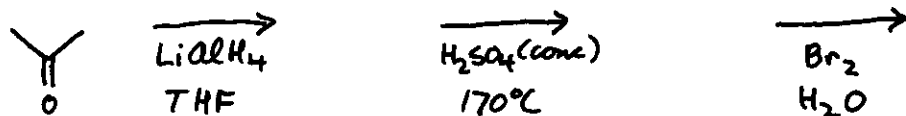
a)



b)



c)



d)



e)

