**Inverted Classroom project for Wednesday:**

**A First Taste Organic Roadmapping :Exercise 13**



**Bring your roadmap(s) to Targets below**

 **Organic Chem I Alfred State College…Be prepared to present (Mol $!)**

 **(You can work and present in teams if desired)**



1. **Starting from any alcohol, suggest a route to:**



1. **Starting from any alcohol suggest a route to:**
2. **Starting from a single alkene with 4 or fewer carbons, suggest**



 **a route to:**

 **R’**



 **|**

1. **Starting from any carbonyl (R-C=O) and any 4-carbon or less alkyl halide suggest a route to :**



1. **Starting from acetic acid ( ) and any alkene**

**suggest a route to:**







1. **Starting from just suggest a route to:**



1. **Starting from just suggest a 2 step route to:**

Hint: use a carbocation rearrangement as part of the reaction sequence

