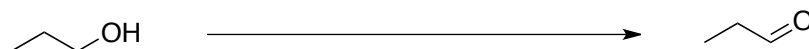
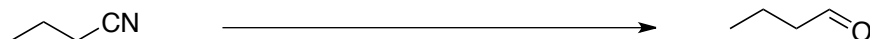


1. Provide the reagents for each transformation over the arrows. These transformations can be accomplished in a single step
3 points each



2. Provide structures for **A**, **B**, **C** and **D**. 3 points for **A** and **C**; 4 points for **B** and **D**.

