## **Chemistry 2302**

## Workshop 14 Carboxylic Acids as Synthetic Intermediates

Show how each of the products below could be synthesized (via multistep synthesis) from [2.2.2]-bicyclooctene. (You'll need to use reactions from CHEM 2301 and CHEM 2302 for this one.)

$$\longrightarrow \bigcirc$$