The following quiz starts 5 minutes into your recitation, at which point you have 30 minutes to complete it. Be as complete in your answers as possible for full credit. Good luck!

**Predict the product of the following reaction and propose a mechanism (7 points each).**

1. \[ \text{Br}_2 \rightarrow \text{MeOH} \]
2. \[ \text{H}_2\text{SO}_4 \rightarrow \text{H}_2\text{O} \]

**Propose the reactions necessary to carry out the following synthesis (6 points)**

3. \[ \text{OH} \rightarrow \text{CO}_2\text{H} \]