Chapter 10 - Multi-step Syntheses

How would you carry out the following reactions? More than one step is required. Show all steps and all reagents. No mechanism necessary. In many cases there is more than one answer.

1. \[ \text{ } \rightarrow \text{CH}_3\text{Cl} \]

2. \[ \text{ } \rightarrow \text{CH}_3\text{Br} \]

3. \[ \text{ } \rightarrow \text{CH}_3\text{CH}_2\text{OH} \]

4. \[ \text{ } \rightarrow \text{CH}_3\text{CO}_2\text{H} \]

5. \[ \text{ } \rightarrow \text{CH}_3\text{OCH}_3 \]