Quiz 3. Monday Afternoon

Name:

1) Predict the product of the following reaction (2 points).

\[
\text{H}_3\text{C}-\text{CH}-(\text{OH})\text{CH}_3 + \text{SOCl}_2 \rightarrow \text{Product}
\]

2) Show the reagent(s) necessary to carry out the following reaction (2 points).

\[
\text{戒指} \rightarrow \text{OH}-(\text{OH})\text{CH}_3
\]

3) Show a reaction mechanism for the following reaction (6 points).

\[
\text{戒} + \text{Br}_2 \rightarrow \text{戒}-(\text{Br})-(\text{Br})\text{戒}
\]