November 18  Problem Set 1
Chem 211

1. Write complete mechanisms (Carrow formalism) leading to products for the following problems where relevant.

Mechanisms:

\[ \text{a. } \text{Br}_2 + \text{HBr} \rightarrow \text{CCl}_4 \]

\[ \text{b. Warning: This one is hard} \]

\[ \text{c. } \text{Br}_2 \text{Br} + \text{Br}_2 \rightarrow \text{CCl}_4 \]
e. Stereo

\[ \text{Compound} + \text{MI} \]

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\[ \text{Compound} + \text{MI} \]
2. Write the appropriate alkenes (s) and reagents to form each of the following compounds.