1. (10 pts) List the reagents necessary to accomplish the following transformations. If more than one step is necessary, show the important intermediate products in the transformation. You may use any standard reagents and any alcohols of 3 carbons or less.

a) Note: Do not use ammonia in your synthesis.

\[ \text{OH} \quad \rightarrow \quad \text{NH}_2 \]

b) 

\[ \text{Cl} \quad \rightarrow \quad \text{O} \quad \text{H} \]

c) 

\[ \text{O} \quad \rightarrow \quad \text{OCH}_3 \]
d) \[
\begin{align*}
\text{HOCH}_2\text{CH}_2\text{CH}_3
\end{align*}
\]

e) Hint: Beware of elimination!