1) Reagents first: A = NH₂NH₂/KOH/CH₃OCH₂CH₂OCH₂CH₂OCH₃ or Zn(Hg)/HCl; B = i) BH₃, ii) NaOH, H₂O₂; C = TsCl, pyridine; D NaCN/acetone

Compounds now:

1

2

(stereochem. not important)
c) 

\[ \text{CF}_3\text{COOH} \rightarrow \text{Br}_2 \rightarrow \text{H}_2/\text{Pd} \rightarrow \text{KI} \rightarrow \text{NH}_2 \]
d)
4) Propose reasonable mechanisms to account for the following transformations:
5) Consider the allene 13
b) **Yes**, since the mirror image is **non-superimposable on it**
which is