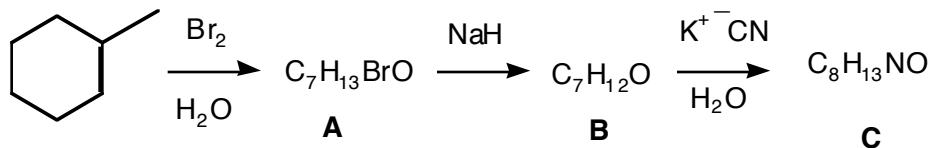


Problem 93, Chemistry 301X - 2006

The following “roadmap” problems involve series of straightforward, simple reactions. You do have to be careful to explain the stereochemistry and regiochemistry of each step if appropriate. It will be useful to make good, clear drawings of all the products.

(a)



(b)

