1. Provide the reagents for each transformation over the arrows. These transformations can be accomplished in a single step.

   (a) \( \text{I} \) → \( \text{CN} \)

   (b) \( \text{Br} \) → 

2. Provide the reagents for each two-step synthesis. A complete answer will require you to make an intermediate.
   - Draw the structure of the intermediate in the box.
   - Over the arrows, indicate conditions for synthesizing the intermediate and the final product.

   (a)

   \( \text{OH} \) → \( \text{SMe} \)

   (b) \( \text{tBu} \) → \( \text{tBu} \)