1. a. What reagents/conditions would cause the formation of 2 from 1? Draw the mechanism.
b. When this reaction was performed on a larger scale with the enantiomer of 1, product 27 was also isolated. How was it formed? Draw the mechanism.

2. a. Product A is an isolable alpha-hydroxy ketone. What is it?
b. B is an intermediate towards the formation of products 13 and 15. What is the general structure?
c. Draw the mechanism for all transformations