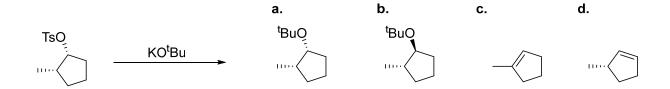
- 1. Which of the following carbocations is the most stable. (1 point)
 - a. I b. II c. III
- 2. Circle the major product for the following reaction. (1 point)

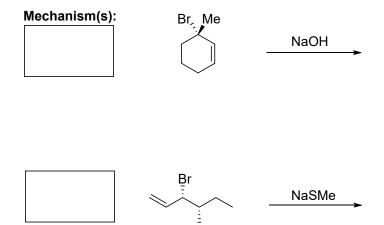


- 3. a. Predict the mechanism(s) for following reactions.
 - b. Provide the expected major product(s). If there is one than one possible mechanism, draw the expected **major** product for **each** mechanism. (4 points)

II

 \oplus

Ш



4. Provide mechanism for the following reaction. (4 points)