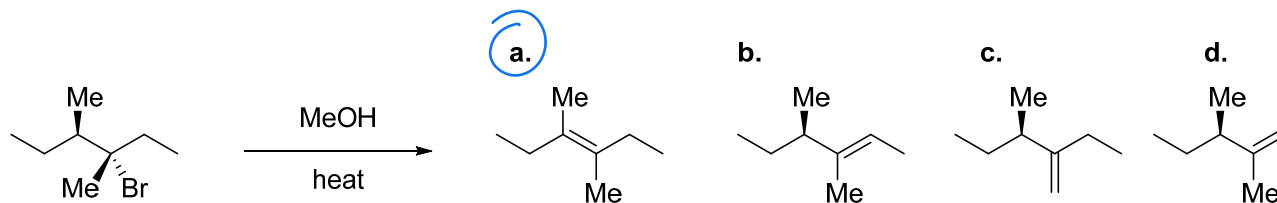
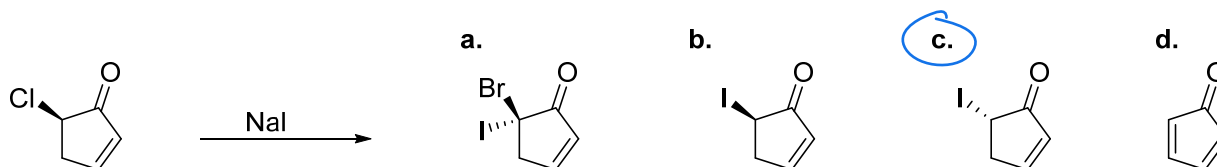


Name: _____

1. Circle the major product for the following
- E1 reaction**
- . (1 point)

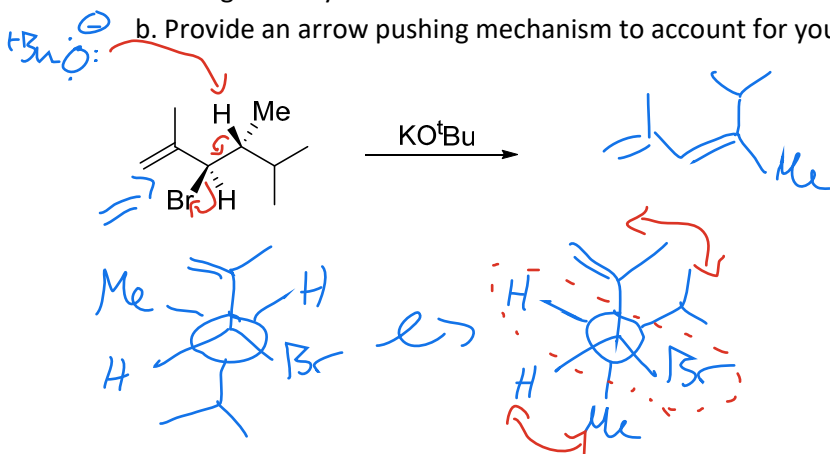


2. Circle the major product for the following
- S_N2 reaction**
- . (1 point)



3. a. Predict the major
- E2 elimination**
- product for the following reaction. Use a Newman projection to rationalize the alkene geometry.

- b. Provide an arrow pushing mechanism to account for your predicted product. (4 points)



4. Provide mechanism for the following
- S_N1 reaction**
- . (4 points)

