Chem 220 Quiz 6 White
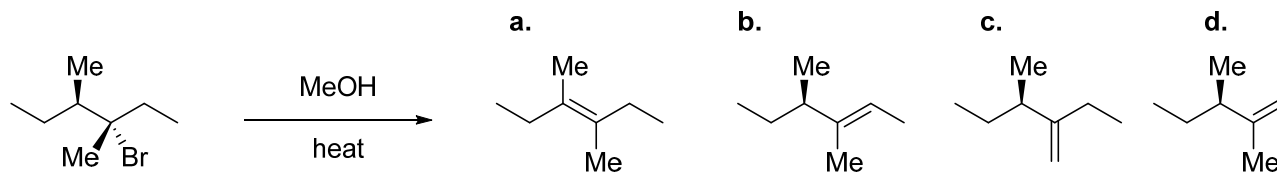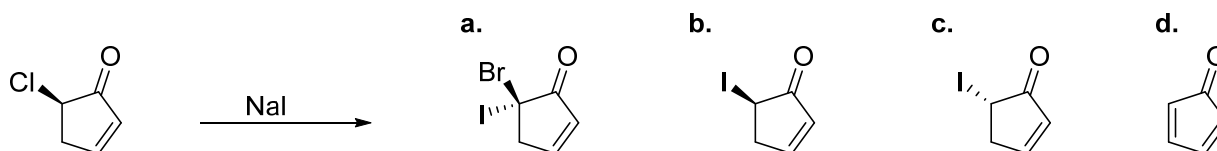
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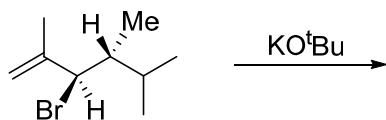1. Circle the major product for the following **E1 reaction**. (1 point)

a.   b.   c.   d.

2. Circle the major product for the following **S$_N$2 reaction**. (1 point)

a.   b.   c.   d.

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)

KO^{t}Bu

4. Provide mechanism for the following **S$_N$1 reaction**. (4 points)

MeOH
heat