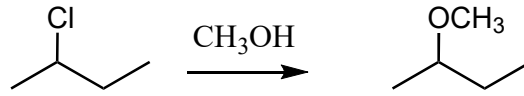
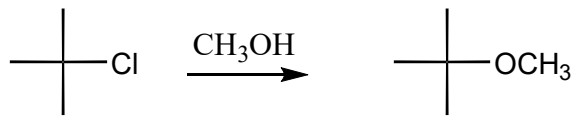
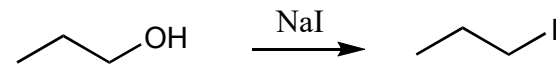
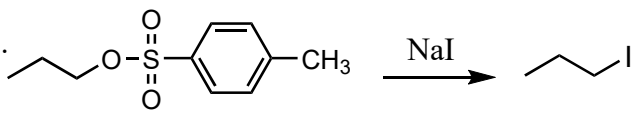
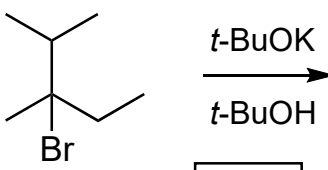


4A) (10 pts) For each of the following pairs of reactions, indicate which one will be faster and briefly explain why. If you expect no significant difference in the reaction rates, say so. **No explain = no credit.**

<p>a. </p> <p>b. </p> <p>Mechanism name? <input type="text"/></p> <p>Which is faster (a, b or neither)? <input type="text"/></p> <p><b>Explain briefly:</b></p>	<p>a. </p> <p>b. </p> <p>Mechanism name? <input type="text"/></p> <p>Which is faster (a, b or neither)? <input type="text"/></p> <p><b>Explain briefly:</b></p>
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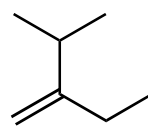
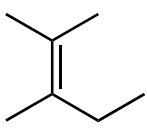
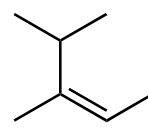
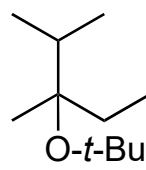
4B) (5 points) Predict which would be the major product formed (A/B/C/D or N.R. for No Reaction), and explain your choice. What reaction mechanism do you expect to take place? **No explain = no credit.**



mechanism name?

major product?

**Explain:**

 **A**       **B**       **C**       **D**