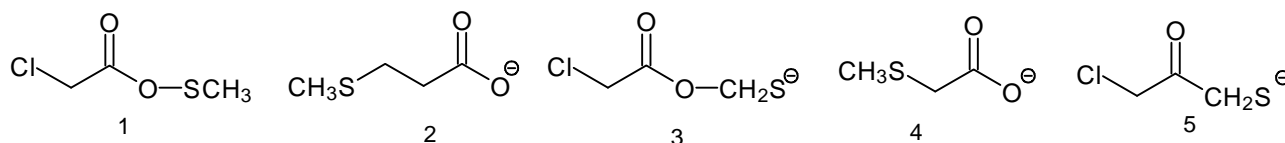
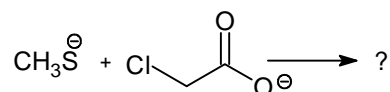


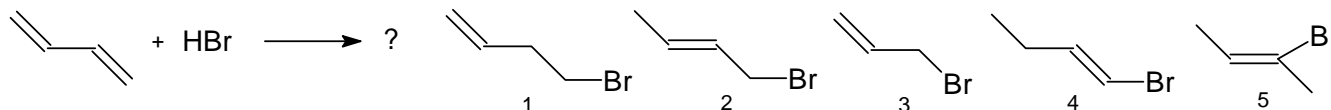
MARK ONE ANSWER FOR EACH QUESTION ON BOTH THE EXAM AND YOUR SCANTRON!

1. What is the most plausible product for the substitution reaction below?



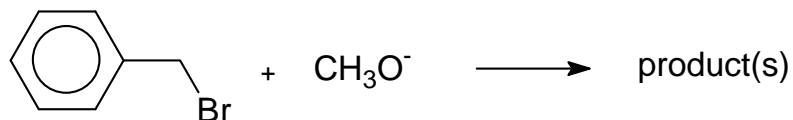
A. compound 1 B. compound 2 C. compound 3 D. compound 4 E. compound 5

2. What is the most plausible major product for the **1,4-addition** of HBr to 1,3-butadiene?



A. compound 1 B. compound 2 C. compound 3 D. compound 4 E. compound 5

3. What can we say about the reactants below?



- A. The major product will be a substitution product
- B. They will mostly react with E1 elimination
- C. They will mostly react with E2 elimination
- D. We can expect a mixture of elimination and substitution products
- E. They will not react at all.

4. **This is version B. Please circle 4 B on your scantron!**

Key:

1. D

2. B

3. A