For eliminations, mechanism to major product is shown.

**Directions:** Show the complete arrow-pushing mechanism for the following reactions. Predict the product(s) based on the mechanism, and indicate their relative quantities if more than one organic product is formed - major / minor / numerical order (if needed).

1) $\text{E2}$

2) $\text{SN1}$

3) $\text{E1}$

4) $\text{SN2}$

5) $\text{E2}$

(Some products as #1; however, different relative quantities due to the bulky base.)