USE A SEPARATE SHEET OF PAPER TO ANSWER THE FOLLOWING QUESTIONS.

1. Provide the organic product(s) for the following reactions.

Br Li ether (a)
$$\frac{2}{2}$$
 H+, H₂O (b)

2. Provide the reagents needed to perform the following transformations.

$$(a) \qquad \qquad Br \qquad CH_3 \\ H^{min}H \\ H_3C \qquad Br$$