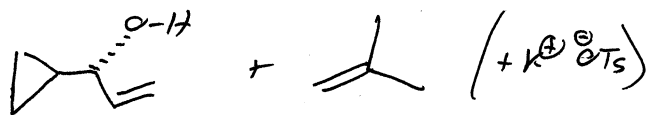
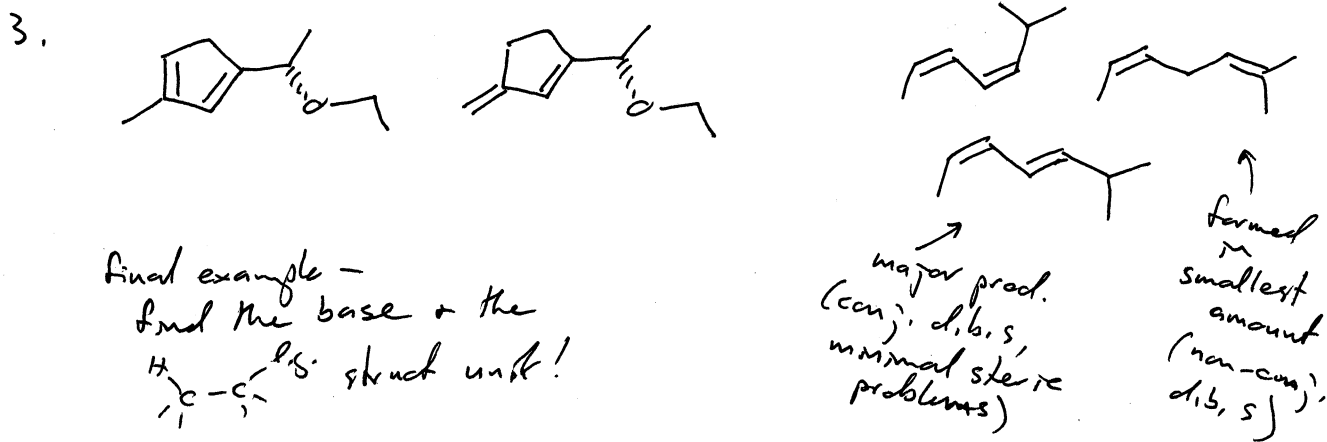


2. Probably the best approach is trial & error ---
 if we start with
 4 molecules of R-I,
 displacement of all 4
 with I* to produce
 3 with retained config
 + 1 with inverted config produces the "observed" result -
 so this would imply 75% retention, 25% inv.

4 (S) R-I $\xrightarrow{I^*}$

(S) R-I*
 (S) R-I*
 (S) R-I*
 (R) R-I* } rac. opt. act 50%
 when I* incorp 100%



S_N2 can only happen in the case of
 the 2° bromide, though likely slow in this case