$\qquad$

1) Write a mechanism consistent with the mixture of products produced in this reaction. (7pts)

2) Label the atoms in the product, and then write the mechanism which involves a Favorskii type process. (7pts) There is a bonus point if you justify the regiochemistry of ring opening.

3) Write the mechanism for the following reaction. (6pts)


2007 Mechanisms Quiz \#3 20 points
NAME: $\qquad$ IQ 3

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does nt occur as
it leads to a less stale anion. (secondary anion whereas $\frac{\text { rel aria }}{}=$ prinay
3) Write the mechanism for the following reaction. (6pts)

