Organic I Recitation Handount 4 (9/19, 9/24, 9/26)

1) Predict the product(s) of the following reactions. Is it SN1, SN2, E1, or E2 mechanism?

2) Predict the stereochemistry of the products of the following E2 reactions.

3) Show a mechanism that explains the following transformations

$$H_2O$$
Heat
 H_2O
 H_2O
 H_2O

b)