CHM 3150 Organic Chemistry II

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Chapter 13 Ethers & Epoxides Part 2 – <u>Practice Problems</u>

1 Predict the major product, and draw the mechanism.

2 Predict the major product, and draw the mechanism.

3 Predict the major product, and describe the mechanism.

$$CH_2CH_3$$
 $\frac{1) \text{LiAlH}_4}{2) \text{H}_3O^+}$

- A) Protonate, attack, deprotonate
- B) Protonate, attack
- C) Deprotonate, attack
- D) Deprotonate, attack, protonate
- E) Attack, protonate

4

Predict the major product.

$$\frac{1) \text{ CH}_3\text{CO}_3\text{H}}{2) \text{ H}_3\text{O}^+}$$

5

6

Predict the major products, and draw a mechanism.

7

Which reagents would be best to achieve the following synthesis?

Predict the major products.