Deadline for CH310N HW 8, Due: Nov 14 3:00 PM

**Diels-Alder Reactions-Bicyclic Products:** Draw the structures of the products between the following dienes and dienophiles. Be sure to clearly indicate both regio and stereochemistry.

1. \[ \text{Cyclopentadiene} + \text{CH}_2=\text{CHCH}_2\text{OCH}_3 \]
2. \[ \text{Cyclopentadiene} + \text{CH}_2=\text{CHCH}_3 \]
3. \[ \text{Cyclopentadiene} + \text{CH}_2=\text{CHCl} \]
**Diels-Alder Reactions:** Draw the structures of the dieneophiles to product the following products. Be sure to clearly indicate both regio and stereochemistry.