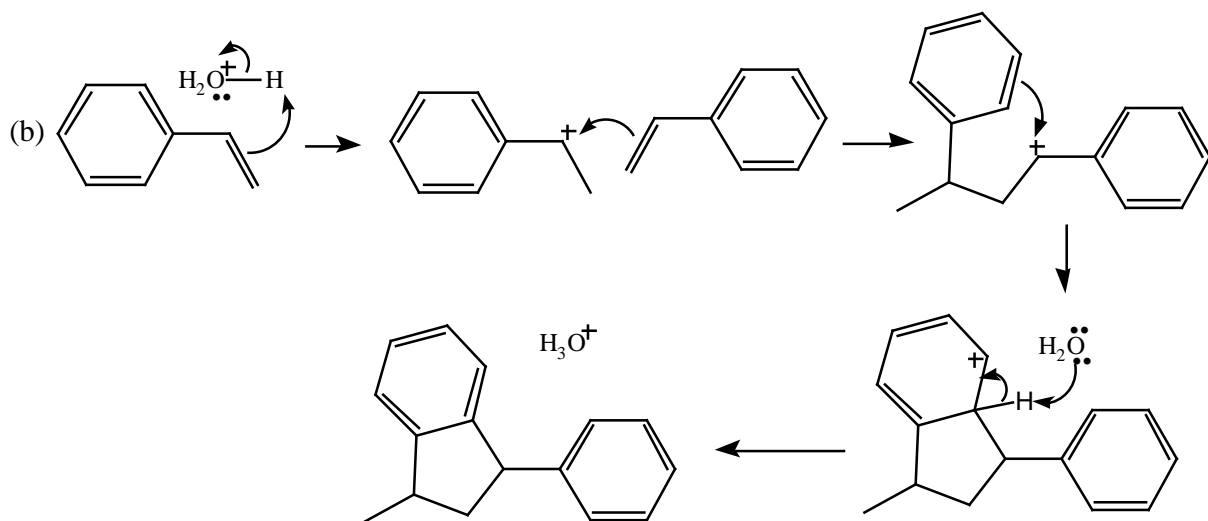
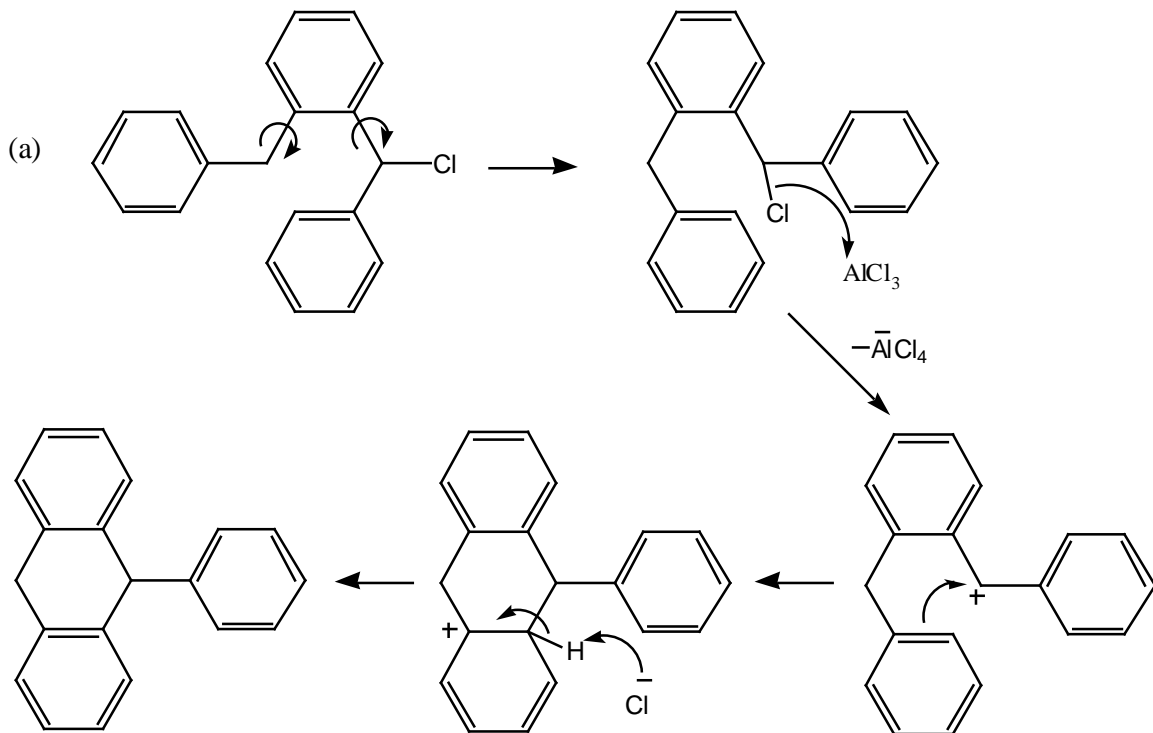
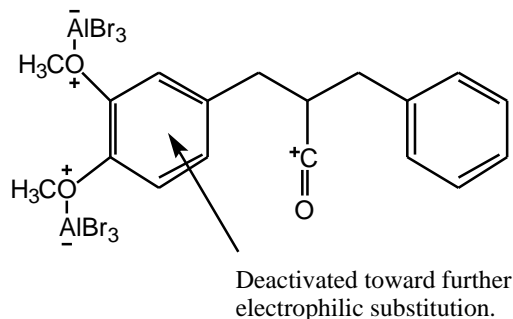


Answers to Problem Set #3
CH242-2002S

[1]



- [2] With only one equivalent available, the AlBr_3 helps generate the acylium ion that attacks the ring activated by the methoxy groups. When three equivalents are present, however, there is now enough AlBr_3 to complex with the methoxy groups. Formation of the complex deactivates that ring toward further electrophilic substitution (why?), and the acylium ion attacks the other ring. Also see problem 14.27 on page 670 in your text.



- [3] Some ideas are given below. Your answers could be different and correct!

