

## LEAVE THIS COVER SHEET ATTACHED TO THE Quiz!

- 1. \_\_\_\_/23
- 2. \_\_\_\_/13
- 3. \_\_\_\_/13

4. \_\_\_\_/04

TOTAL:\_\_\_\_/ 50

Show the reaction products or intermediates in the large rectangles and the necessary reactants in the smaller rectangles. 1) NBS (*N*-Bromosuccinimide) (7 pts)





7) The phenol on the previous page undergoes a **Cope rearrangement** to yield a product where a new bond is formed between the dotted carbons (3 pts). GETTING THE CONNECTIONS CORRECT IS ESSENTIAL



## 8) Complete the reaction scheme. (10 pts)



