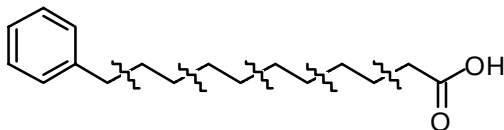


Answer Key for Problem Set 9

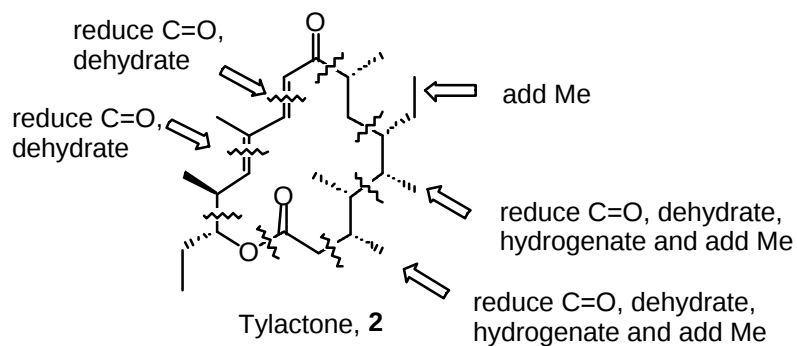
1.



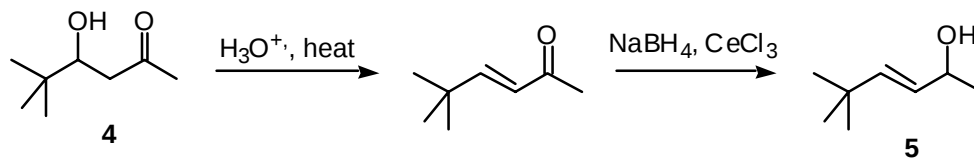
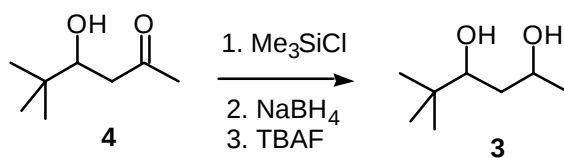
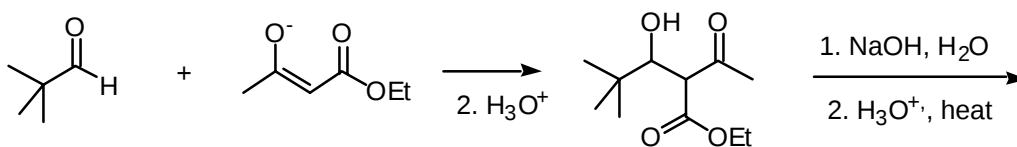
5 cleavage steps are needed, $5 \times 10 = 50$ ATP's can be produced.

2. a) 7 condensation steps are required.

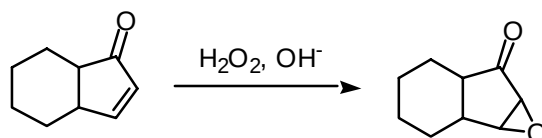
b)

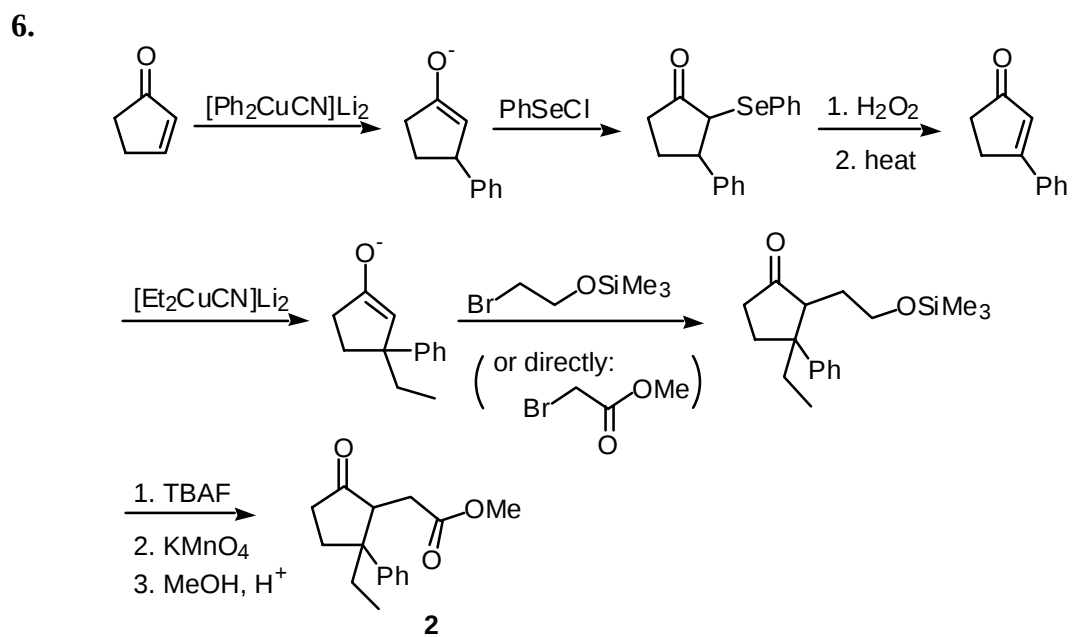
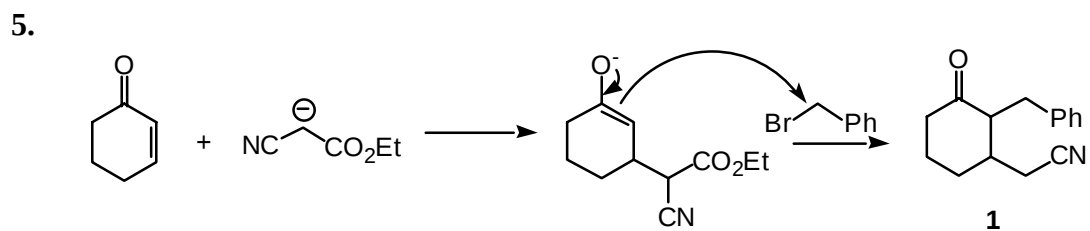
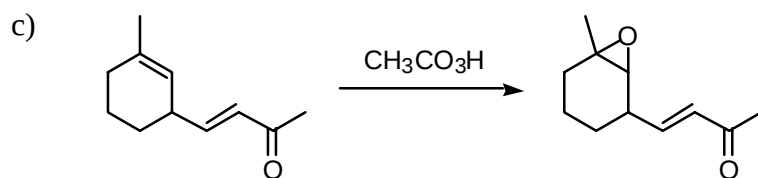
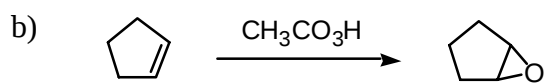


3.

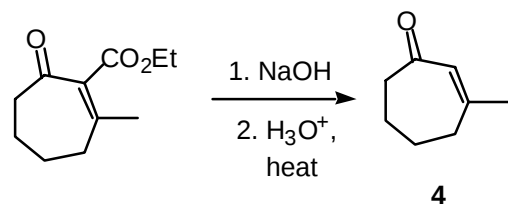
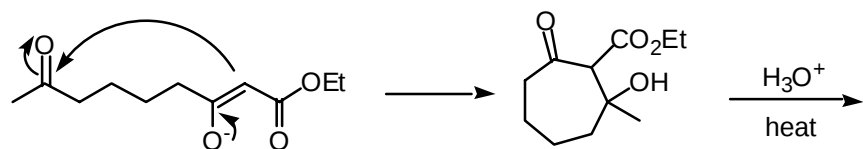
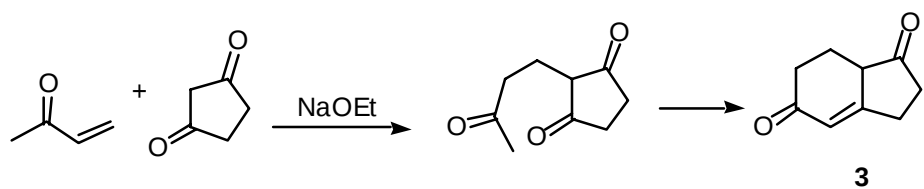


4.a)

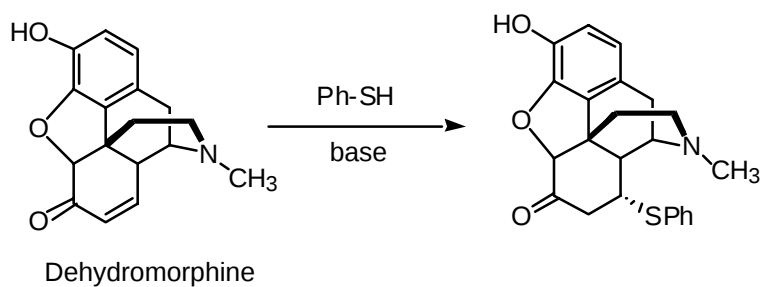




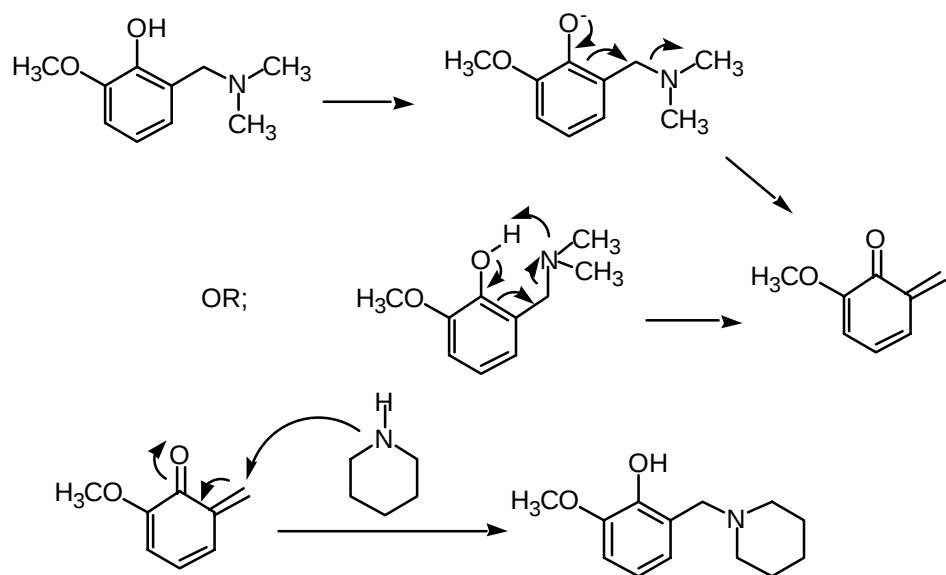
7.



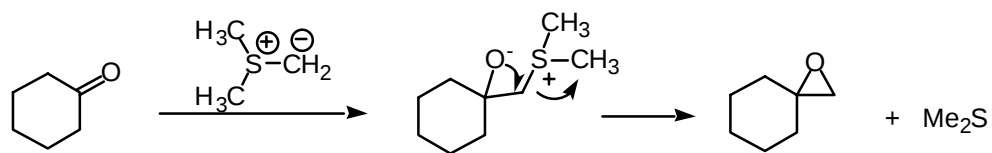
8.



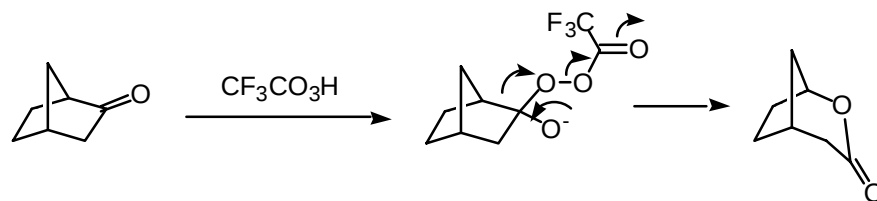
9.



10. a)



b)



c)

