

Exam #2

- Question 1 _____/15 points
Question 2 _____/10 points
Question 3 _____/20 points
Question 4 _____/20 points
Question 5 _____/15 points
Question 6 _____/20 points

Total _____/100 points

NAME: _____

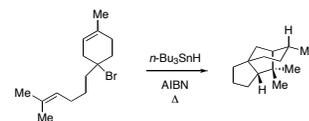
Signature: _____

T.A.: _____

There are 6 pages (2-7) of questions in this exam.

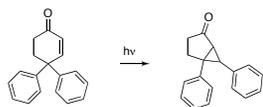
Question 1.

Provide a *detailed* mechanism for the following transformation. Identify the key steps.



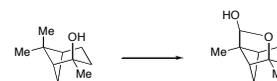
Question 2.

Provide a *detailed* mechanism for the following transformation. Identify the key steps.



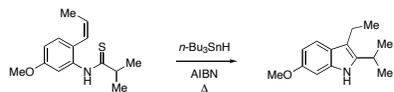
Question 3.

Provide the needed reaction conditions and a *detailed* mechanism for the following transformation. Identify the key steps.



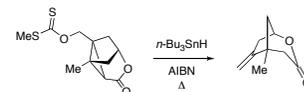
Question 4.

Provide a *detailed* mechanism for the following transformation. Identify the key steps.



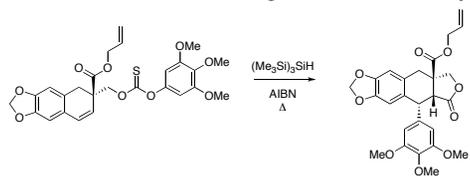
Question 5.

Provide a *detailed* mechanism for the following transformation. Identify the key steps.



Question 6.

Provide a *detailed* mechanism for the following transformation. Identify the key steps.



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