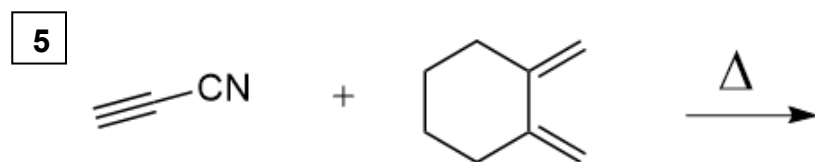
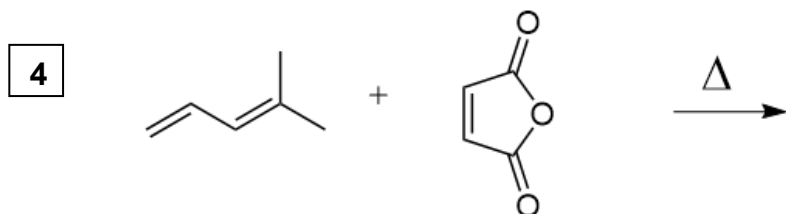
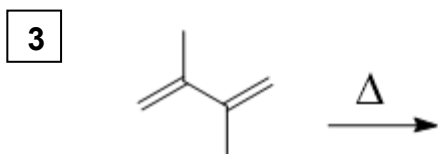
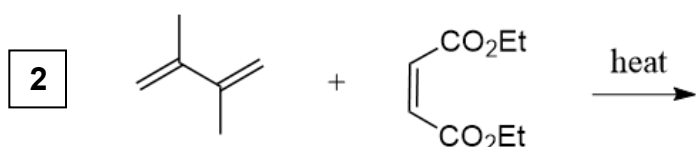
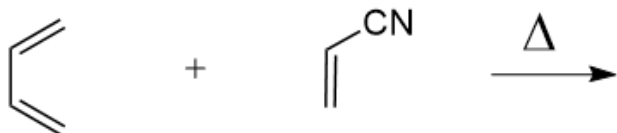


Organic Chemistry II CHM 3150
Dr. Laurie S. Starkey, Cal Poly Pomona
Chapter 16, Conjugated Dienes, Part 2– [Practice Problems](#)

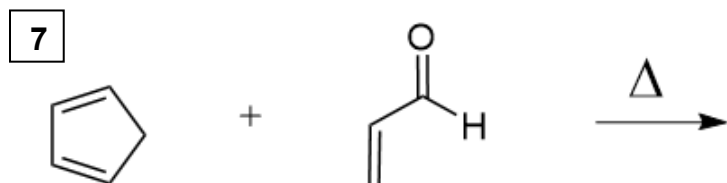
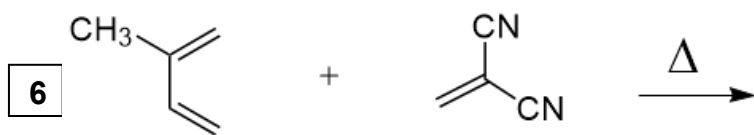
For clicker question voting, go to:
<https://pollev.com/lauriestarke263>



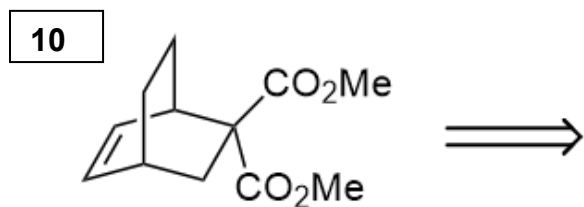
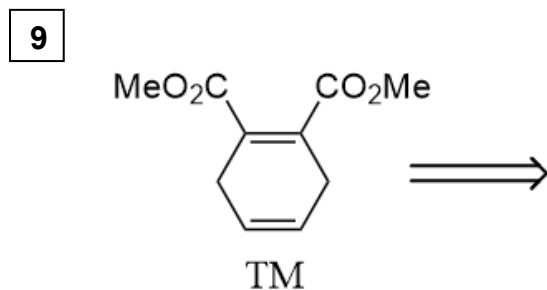
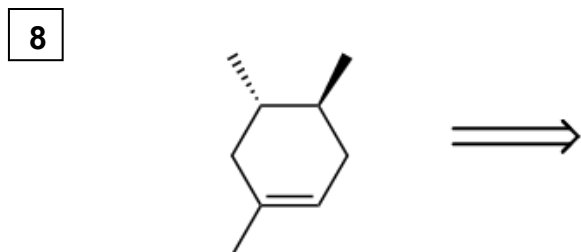
1 Predict the major product expected.



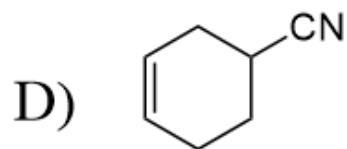
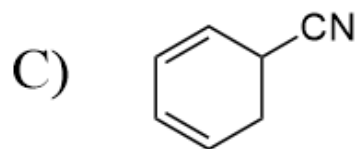
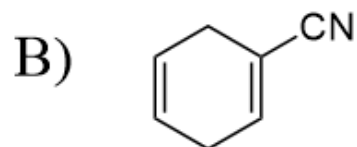
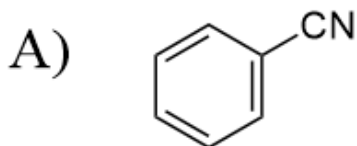
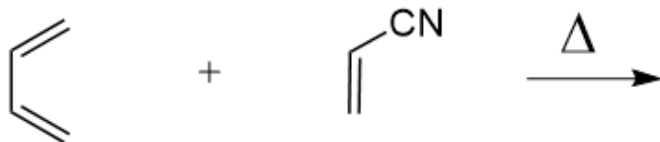
Predict the major product expected.



Which of the following represents the best retrosynthesis of the given target molecule (TM)?



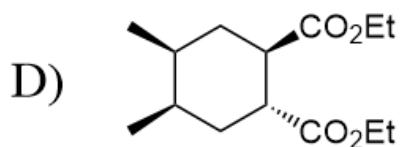
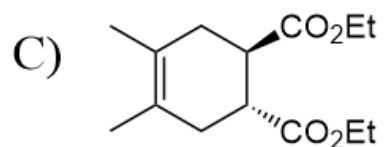
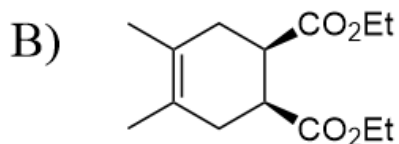
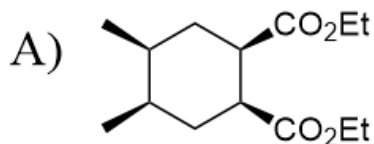
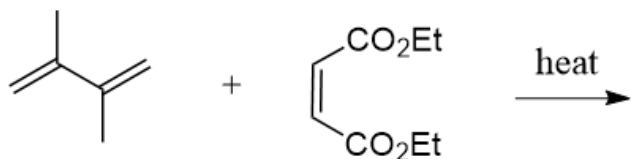
1 Predict the major product expected.



E) none of the above

2

Predict the major product expected.



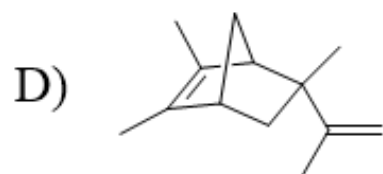
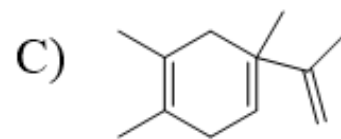
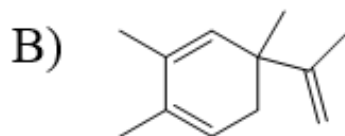
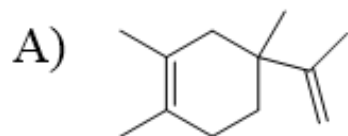
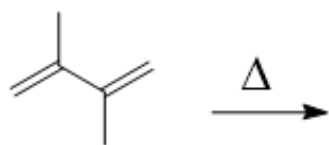
+ enantiomer

+ enantiomer

E) No reaction (*s-cis* diene is required).

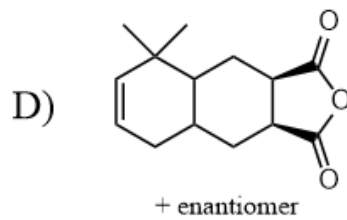
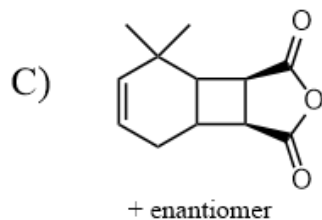
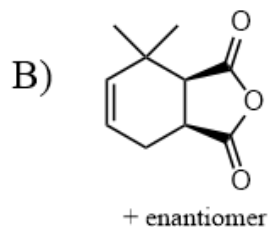
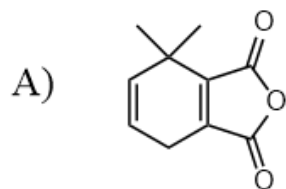
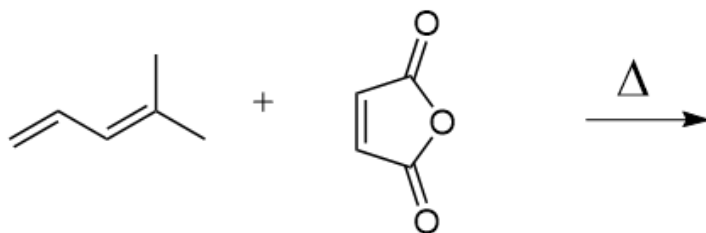
Predict the major Diels-Alder product.

3



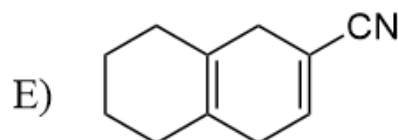
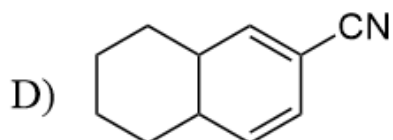
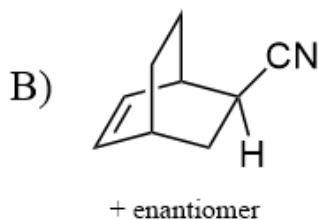
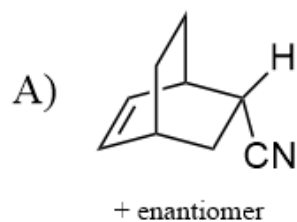
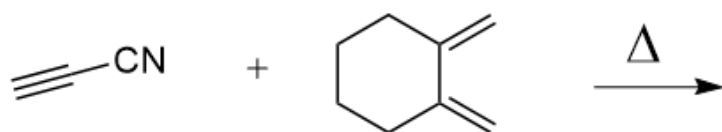
4

Predict the major product expected.



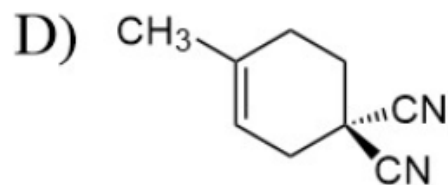
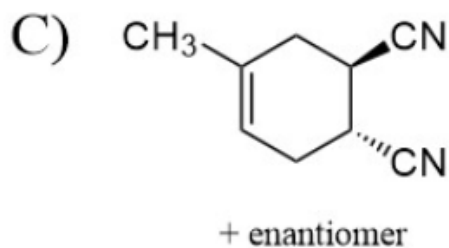
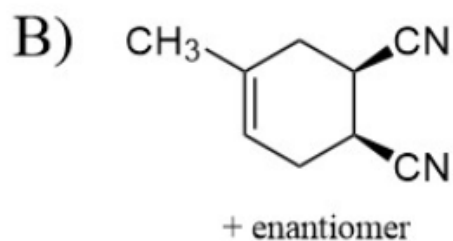
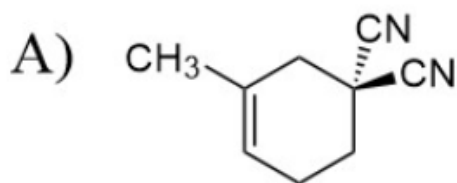
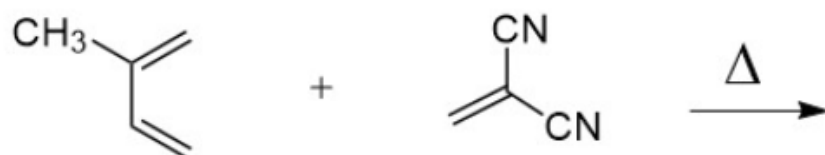
Predict the major product expected.

5



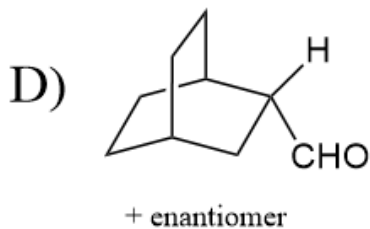
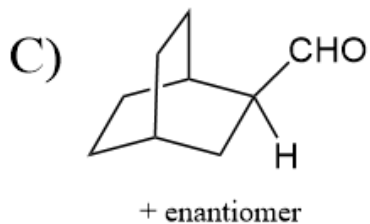
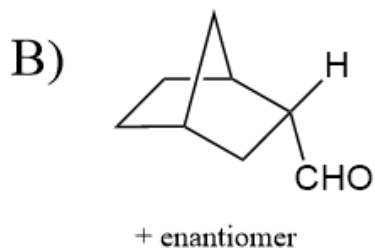
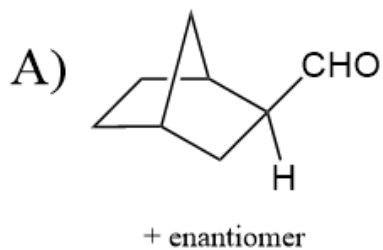
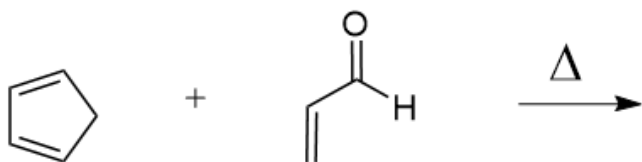
Predict the major product expected.

6



Predict the major product expected.

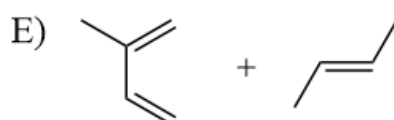
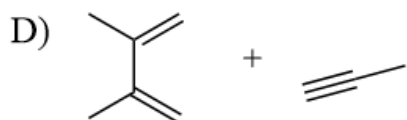
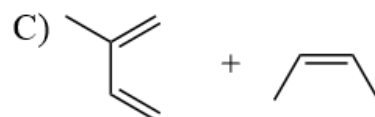
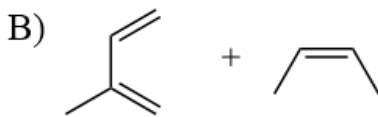
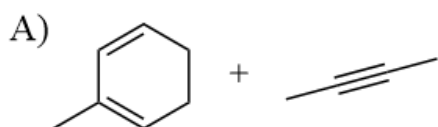
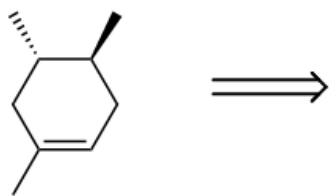
7



E) none of the above

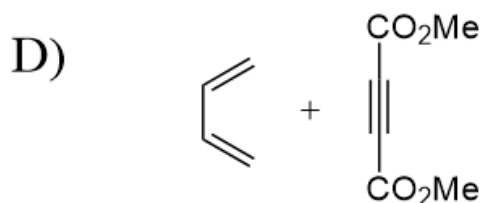
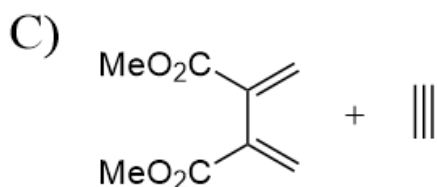
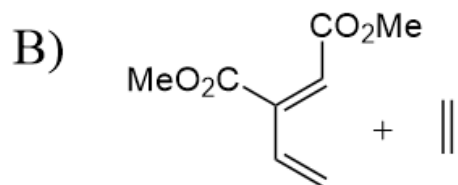
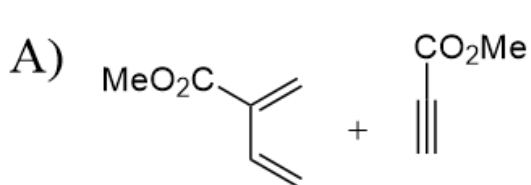
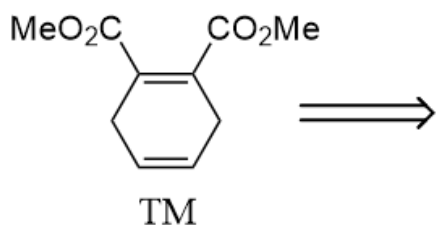
Provide a logical retrosynthesis of the given target molecule.

8



Which of the following represents the best retrosynthesis of the given target molecule (TM)?

9



E) All of the above are equally good

Provide a logical retrosynthesis of the given target molecule.

10

