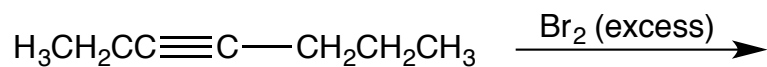


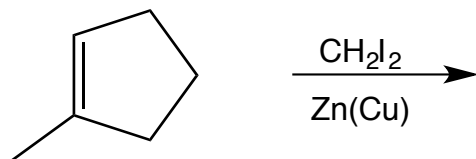
USE A SEPARATE SHEET OF PAPER TO ANSWER THE FOLLOWING QUESTIONS.

1. Provide the product(s) for the following reactions. Be sure to indicate stereochemistry when appropriate.

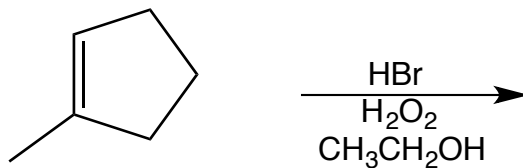
(a)



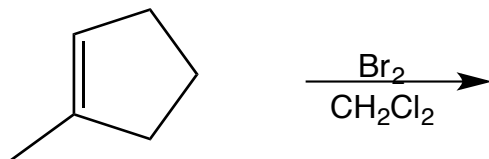
(b)



(c)



(d)



(e)

