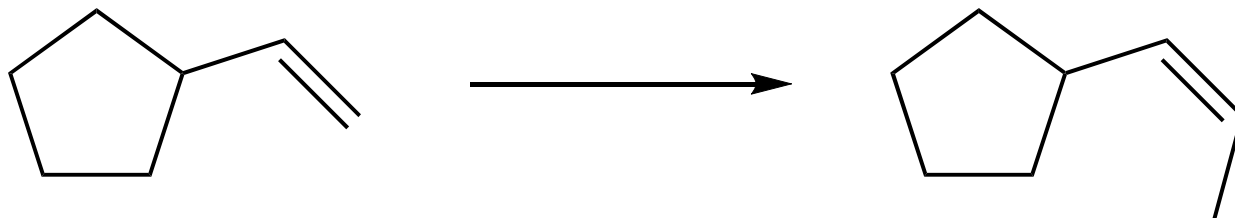


Which reagents would be best to achieve the following synthesis?



A) 1)  $\text{NaNH}_2$ ,  $\text{NH}_3$   
2)  $\text{CH}_3\text{I}$   
3)  $\text{Na}$ ,  $\text{NH}_3$

B) 1)  $\text{NaNH}_2$ ,  $\text{NH}_3$   
2)  $\text{CH}_3\text{I}$ , Lindlar's cat.

C) 1)  $\text{Br}_2$   
2) xs  $\text{NaNH}_2$ ;  $\text{H}_2\text{O}$   
3)  $\text{NaNH}_2$ ,  $\text{NH}_3$   
4)  $\text{CH}_3\text{I}$   
5)  $\text{H}_2$ , Lindlar's cat.

D) 1) xs  $\text{HBr}$   
2) xs  $\text{NaNH}_2$ ;  $\text{H}_2\text{O}$   
3)  $\text{NaNH}_2$ ,  $\text{NH}_3$   
4)  $\text{CH}_3\text{I}$   
5)  $\text{Na}$ ,  $\text{NH}_3$