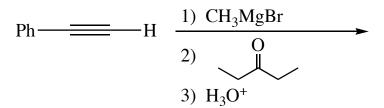
## **Exercise Exercise 95 - Acetylides**

## Question

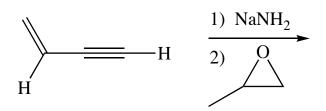
What is the product of the following reactions?



$$H_3C$$
 — H  $\frac{1) CH_3CH_2CH_2CH_2Li}{2) PhCHO}$  3)  $H_3O^+$ 

$$H_3C$$
  $\longrightarrow$   $H$   $\stackrel{1)}{\longrightarrow}$   $NaNH_2$   $\stackrel{2)}{\longrightarrow}$   $PhCH_2Br$ 

Ph 
$$\longrightarrow$$
 H  $\stackrel{1)}{=}$  NaNH<sub>2</sub>  $\stackrel{2)}{=}$  (CH<sub>3</sub>)<sub>3</sub>CBr



**Question** Show how you would make the following molecules using an acetylide.

