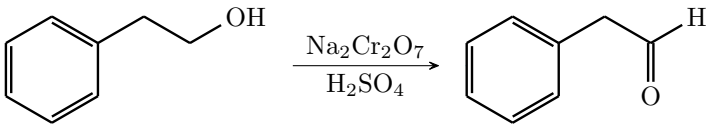
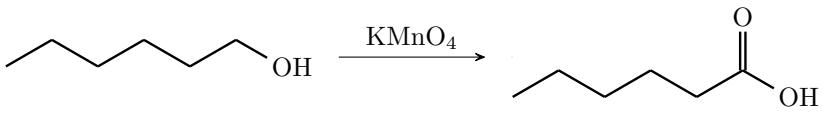
Øving 8

Oppgave 1

a)

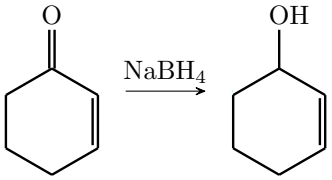


b)

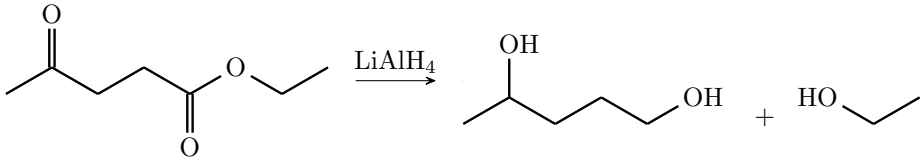


c)

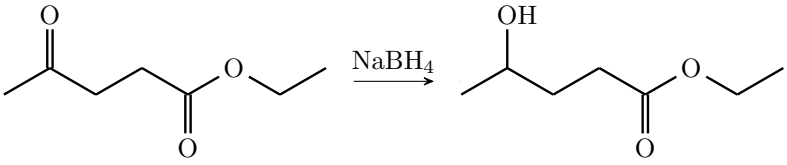
d)



e)



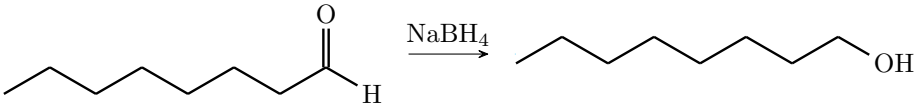
f)



Oppgave 2

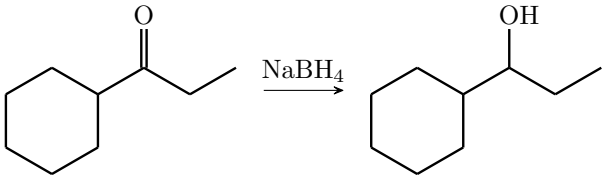
a)

Reduksjon av oktanal med $NaBH_4$:



b)

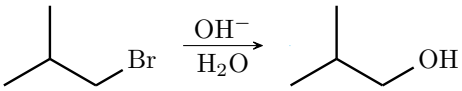
Reduksjon av 1-sykloheksyl-1-propanon med $NaBH_4$:



Oppgave 3

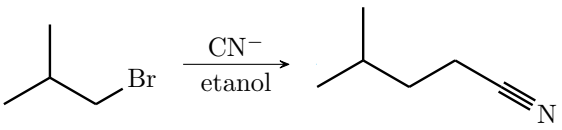
a)

2-metyl-1-propanol:



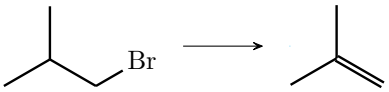
b)

4-metyl-1-pentanenitril:



c)

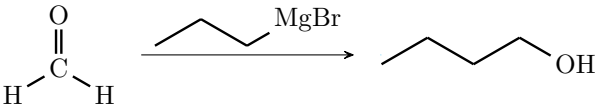
metylpropen:



Oppgave 4

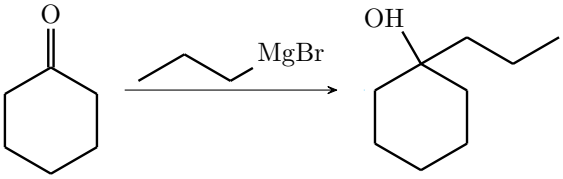
a)

Butanol:



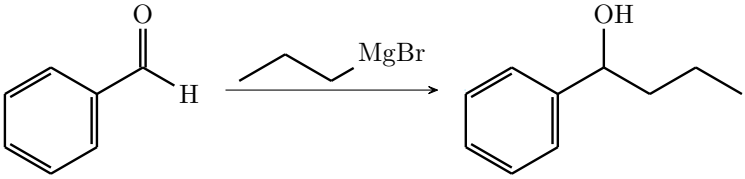
b)

1-propylsykloheksanol



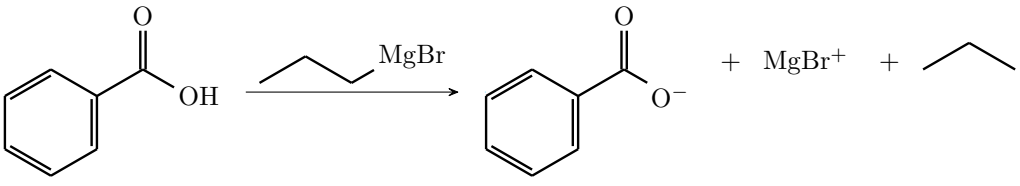
c)

1-fenylbutanol

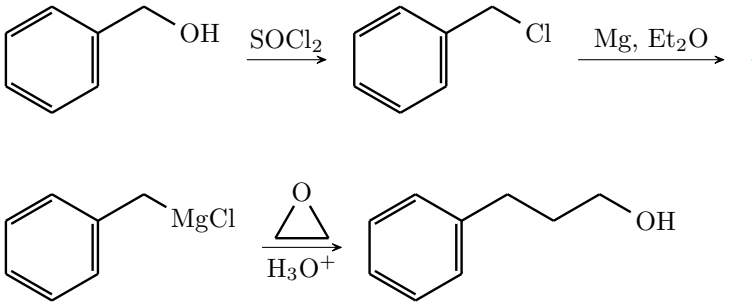


d)

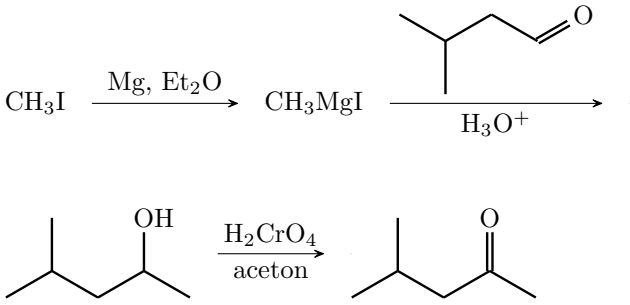
1-fenyl-1,1-butandiol



Oppgave 5



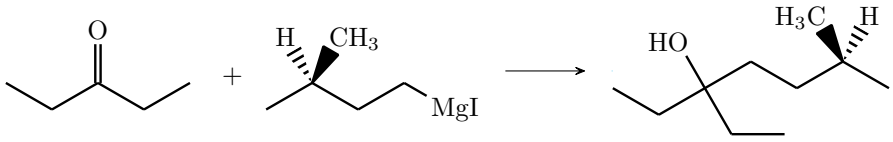
Oppgave 6



Oppgave 7

a)

3-etyl-6-metyl-3-heptanol, ikke optisk aktivt.



b)

(5(R/S), 8S)-5,8-dimetyl-5-dekanol, optisk aktivt med to kirale sentre hvorav ett vil være i S konfigurasjon og det andre vil være i 50/50 R/S og gi en jevn blaning av de to diasteromerene.