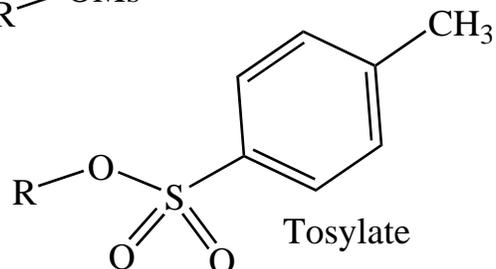
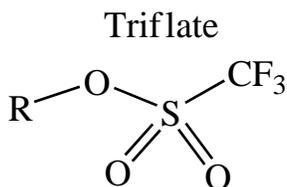
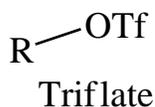
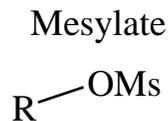
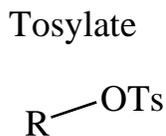
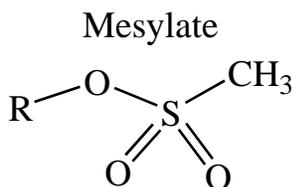
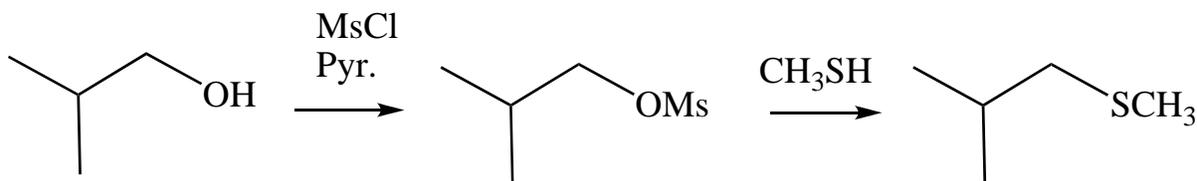
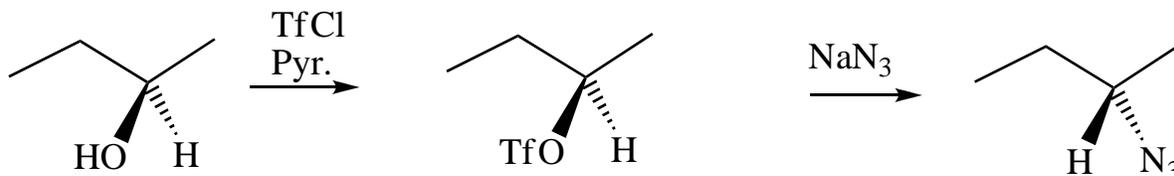
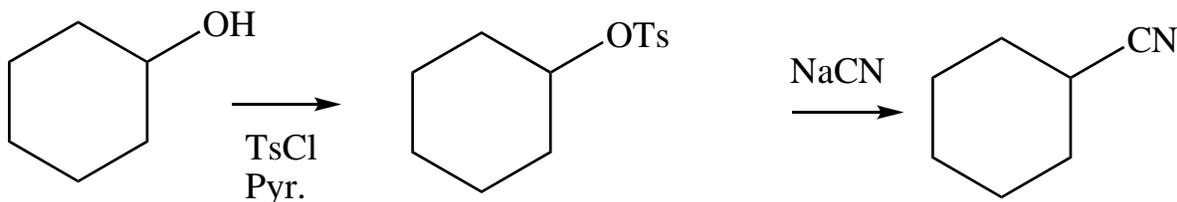


Exercise 60A - Ester Leaving Groups

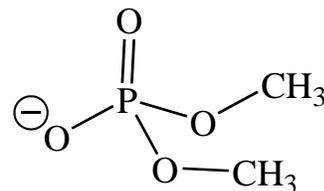
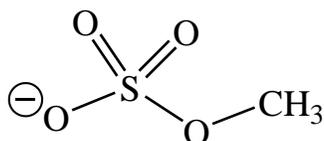
Identify the ate. Mesylate, tosylate or triflate.



Using a sulfonate ester, show how you would accomplish the following transformations.



Of the following two methylating reactions, which would you expect to be more reactive?



The sulfate since the negative charge is delocalized over three O atoms as opposed to two in the phosphate.