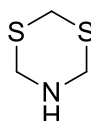
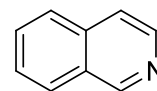
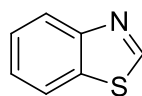
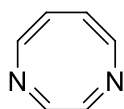
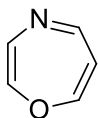
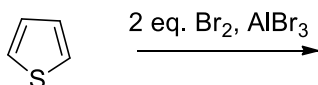
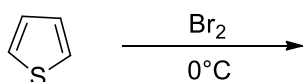
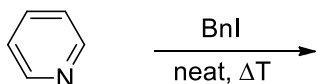
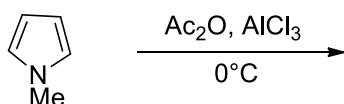


1. Use the Hantzsch-Widman system to build the name of the shown heterocycles. Where possible, give additionally the trivial name.



2. What products are expected in the following reactions?



3. Halogenated pyridines are important building blocks to access bioactive compounds. Propose methods from pyridine for the preparation of:

2- / 4-chloro pyridine (as mixture)

3-chloro pyridine (selectively)