(c) 
$$\begin{array}{c} Br \\ \hline 1 \\ 4 \\ CH_3 \end{array}$$
 + NaSH  $\begin{array}{c} SH \\ \hline \\ CH_3 \end{array}$  + NaBr

cis-1-bromo-4-methylcyclohexane

trans-4-methylcyclohexanethiol