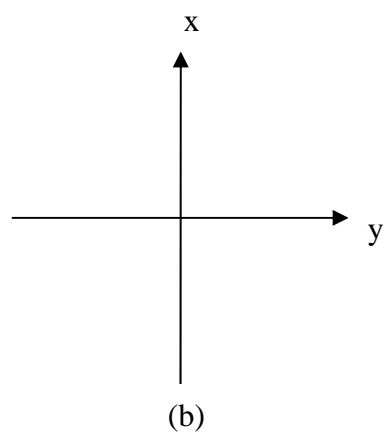
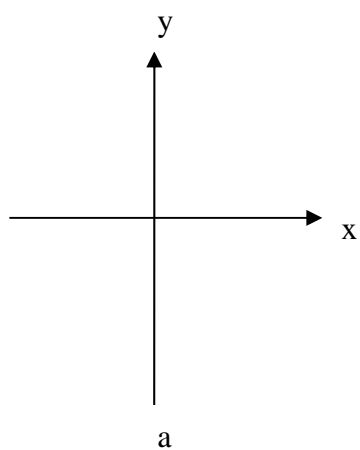


对称操作的类

C_{4v} C_4
 C_4^3
 $3 \ 2 \ /4$ $2 \ /4$
 C_4 $2 \ /4 \quad C_4' = C_4^3$
 $2 \ /4$ **a** ,
 $2 \ /4 \quad [x, y] \quad [y \ -x]$ $2 \ /4$
 $[x, y] \quad [-y \ x]$
 $C_4(z)[x, y] \quad [y, \ x]$
 $C_4'(z)[x, y] \quad [\ y, x]$
b C_4 C_4'
 $C_4(z)[x, y] \quad [\ y, x]$
 $C_4'(z)[x, y] \quad [y, \ x]$



b C_4 C_4' **a**
 C_{4v} **a** **b**

