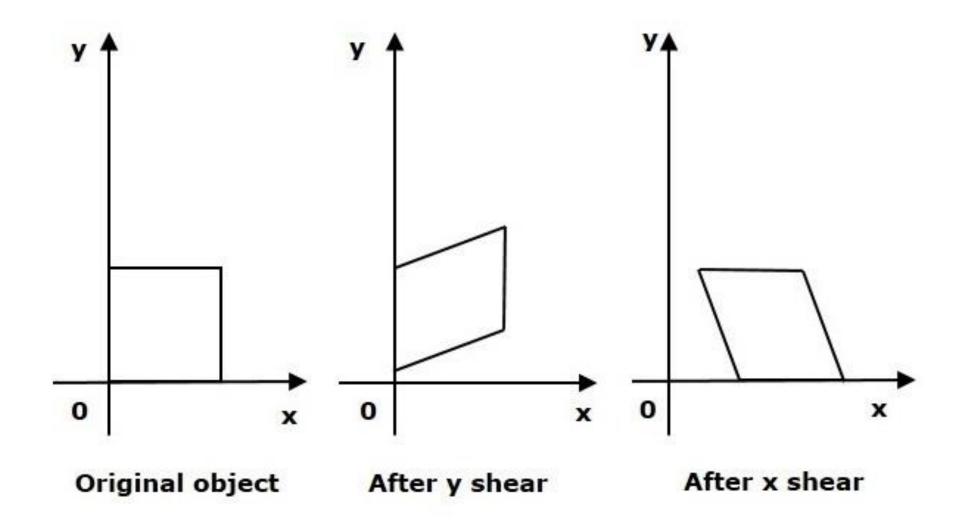
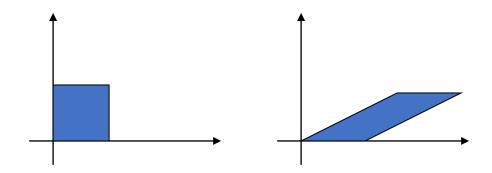
Shear



The x-direction shear relative to x axis

$$\begin{bmatrix} 1 & sh_x & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$\begin{bmatrix} 1 & sh_{x} & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix} \qquad \begin{array}{c} x' = x + sh_{x} \cdot y \\ y' = y \end{array}$$



• The Y direction shear

$$\left[egin{array}{ccc} 1 & 0 & 0 \ shy & 1 & 0 \ 0 & 0 & 1 \end{array}
ight]$$

$$Y' = Y + Sh_y . X$$

 $X' = X$

