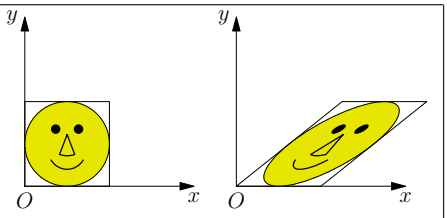
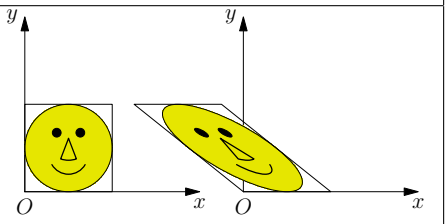
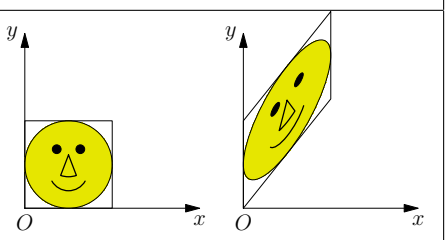
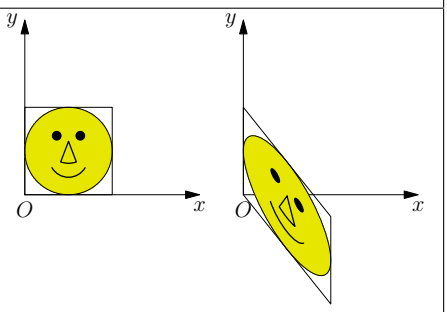
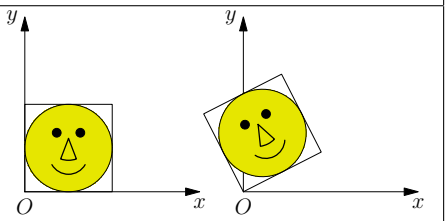
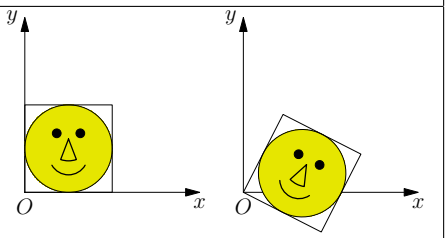
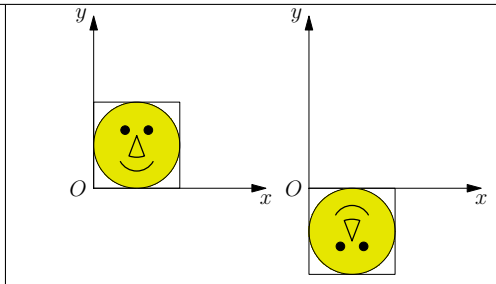
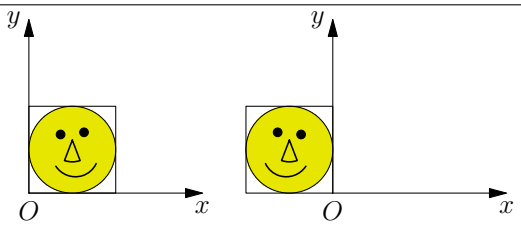
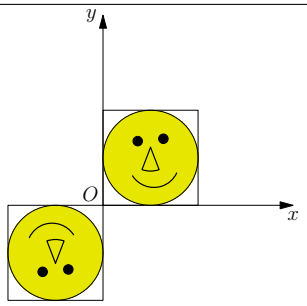
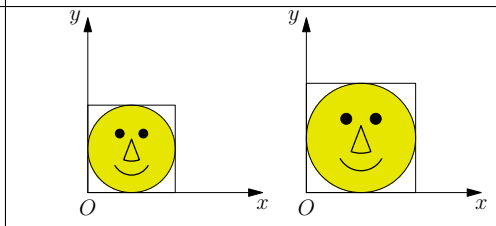
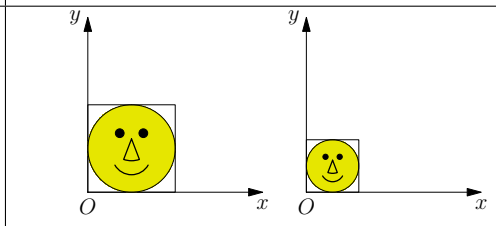
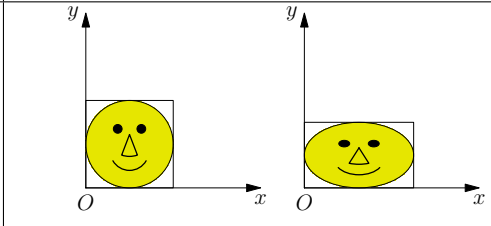
Efectul unor transformări liniare în $\mathbb{R}^2$, $T : \mathbb{R}^2 \to \mathbb{R}^2$

Înclinare de matrice $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$, $a > 0$	
Înclinare de matrice $A = \begin{bmatrix} 1 & a \\ 0 & 1 \end{bmatrix}$, $a < 0$	
Înclinare de matrice $A = \begin{bmatrix} 1 & 0 \\ a & 1 \end{bmatrix}$, $a > 0$	
Înclinare de matrice $A = \begin{bmatrix} 1 & 0 \\ a & 1 \end{bmatrix}$, $a < 0$	
Rotaţie de matrice $A = \begin{bmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{bmatrix}$, $\theta \in (0, \pi]$	
Rotaţie de matrice $A = \begin{bmatrix} \cos\theta & -\sin\theta \\ \sin\theta & \cos\theta \end{bmatrix}$, $\theta \in (-\pi, 0)$	

Simetria faţă de Ox, $A = \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}$	
Simetria faţă de Oy, $A = \begin{bmatrix} -1 & 0 \\ 0 & 1 \end{bmatrix}$	
Simetria faţă de O, $A = \begin{bmatrix} -1 & 0 \\ 0 & -1 \end{bmatrix}$	
Scalare de factor $a > 1$, $A = \begin{bmatrix} a & 0 \\ 0 & a \end{bmatrix}$	
Scalare de factor $0 < a < 1$, $A = \begin{bmatrix} a & 0 \\ 0 & a \end{bmatrix}$	
Scalare de factori $a > 1 > b > 0$, $A = \begin{bmatrix} a & 0 \\ 0 & b \end{bmatrix}$	
Scalare de factori $b > 1 > a > 0$, $A = \begin{bmatrix} a & 0 \\ 0 & b \end{bmatrix}$