

Vocabulary	Definition and examples		
Dilation <i>Dilatación</i>			
Scale Factor <i>factor de escala</i>			
Isometry/Rigid Motion <i>Isometría/Movimiento rígido</i>			
Representing Transformations in the Coordinate Plane (coordinate transformation shortcuts) <i>Transformaciones en el plano de coordenadas</i>	Translation	$(x, y) \rightarrow (x + a, y + b)$	Translation a units horizontally and b units vertically : $T_{a,b}$
	Reflection	$(x, y) \rightarrow ($	Reflection across x-axis : r_{x-axis}
		$(x, y) \rightarrow ($	Reflection across y-axis : r_{y-axis}
		$(x, y) \rightarrow ($	Reflection across line $y = x$: $r_{y=x}$
	Rotation	$(x, y) \rightarrow (-y, x)$	Rotation about $(0, 0)$ 90° counterclockwise : $R_{90^\circ}(0, 0)$
		$(x, y) \rightarrow ($	Rotation about $(0, 0)$ 180° : $R_{180^\circ}(0, 0)$
		$(x, y) \rightarrow (y, -x)$	Rotation about $(0, 0)$ 90° clockwise: $R_{270^\circ}(0, 0)$
	Dilation	$(x, y) \rightarrow (kx, ky), k > 0$	Dilation with scale factor k : D_k
Which transformations produce images congruent to their preimages (aka isometries)? <i>Qué transformaciones producen imágenes congruentes con sus preimágenes</i>			