













GUESS MY TRANSFORMATION:

INSTRUCTIONS: The 12 cards with clues describe the 12 transformations in the table below. Use the clues and your knowledge of transformations in order to help you correctly match each transformation. Record your guesses by each magnifying glass.

Translation right	Translation down	Dilation (Enlargement)	Rotation 90° clockwise	Rotation 270° clockwise	Reflection over the x-axis
Translation left	Translation up	Dilation (Reduction)	Rotation 180° clockwise	Rotation 360° clockwise	Reflection over the y-axis

 #1 Rotation 90° cw $(x, y) \rightarrow (y, -x)$	 #5 Translation left $(x-n, y) \rightarrow \text{left}$	 #9 translation right increase x, $(x+n, y)$
 #2 Dilation (enlargement) $a > 1 = \text{make bigger}$	 #6 Reflection over y-axis $(-x, y)$	 #10 Rotation 180° cw $(-x, -y)$
 #3 translation down $(x, y-n) \rightarrow \text{down}$	 #7 Rotation 360° cw Same place	 #11 Dilation (Reduction) Scale factor < 1
 #4 Rotation 90° ccw 270° cw $(x, y) \rightarrow (-y, x)$	 #8 translation up increase y $(x, y+n)$	 #12 Reflection over x-axis mirror image II \rightarrow III