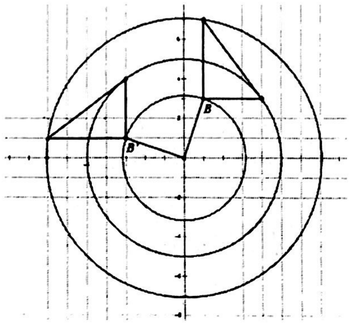
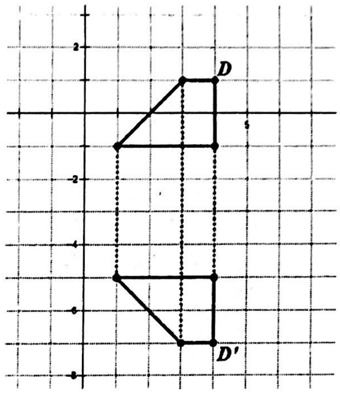
Guess My Transformation(s)

Match each description with its transformation. Each letter is only used once.

_______ The domain of a function is $\{T(-8,0), U(1,7)\}$. The range of the function is $\{T'(-2,0), U'(-11,7)\}$.

_______ ΔFGH is reflected across the y-axis and then reflected across the line $y = x$. Which single rigid transformation would produce the same image?

_______ 

_______ 

_______ What transformation maps the point $W(-4,4)$ to $W'(-4,4)$?

_______ $f(x,y) = (-x, y+7)$

_______ Transformation that moved every point the same distance and direction along congruent parallel lines with slope of $-\frac{1}{7}$.

_______ $R(-2,5) \rightarrow R'(6,3)$

_______ Quadrilateral AFHS where $A(-2,4), F(-2,2), H(0,2), S(-1,4)$ is reflected over line $y = -x$. The image is then rotated 270° about the origin. Which single rigid transformation would map the resulting image back onto quadrilateral AFHS?

____

$W(-4,-4)$	$W'(4,4)$
$V(2,-5)$	$V'(-2,5)$

_______ $\overline{AA'}$ has a slope of -1. $B(6,6)$ is the midpoint of $\overline{AA'}$ and the distance from A to B is equal to the distance from A' to B.

_______ The orientation of ΔABC changed after undergoing a rigid motion transformation to produce $\Delta A'B'C'$. The y-values of the coordinates became opposite.

A. Rotation 90° about the origin	G. Rotation 180° around (0,0)
B. Reflection over y-axis	H. Reflection over line $y = -3$
C. Reflection over the line $y = x$	I. Translation down 1 unit and right 7 units
D. Reflection over the y-axis followed by a translation up 7	J. Reflection over x-axis
E. Reflect over line $x = -5$	K. Reflection over the y-axis followed by a translation right 4 and down 2.
F. Reflect over line $y = -x$	L. Rotation 270° about the origin