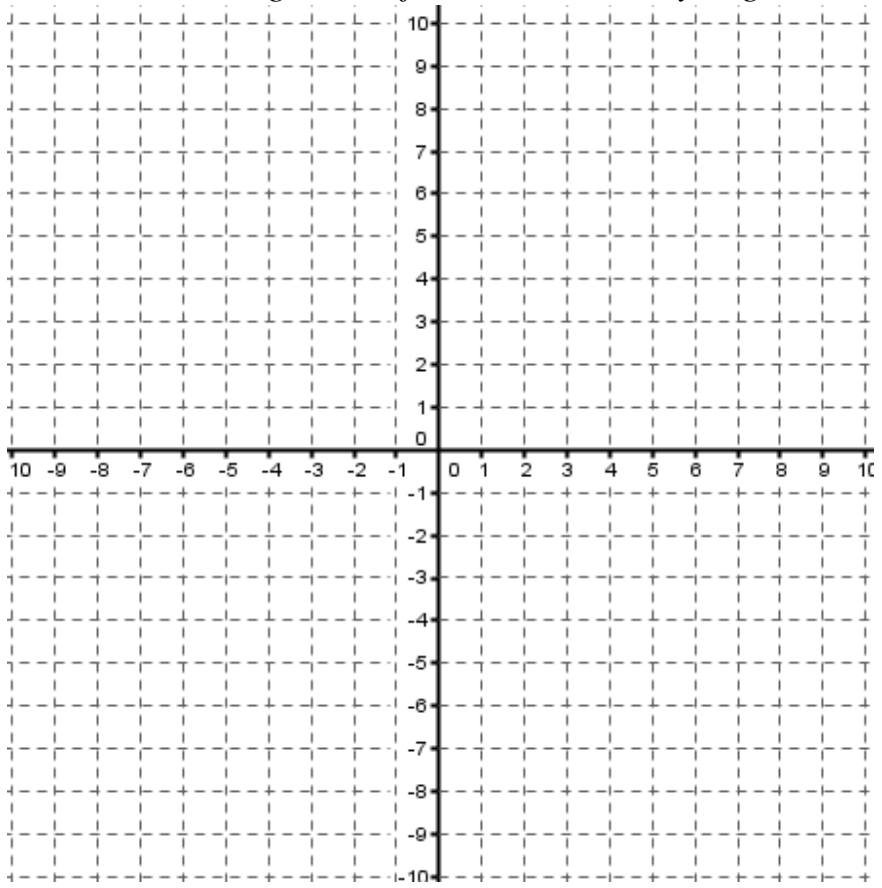


# Geometry Transformation Composition Worksheet

Name \_\_\_\_\_

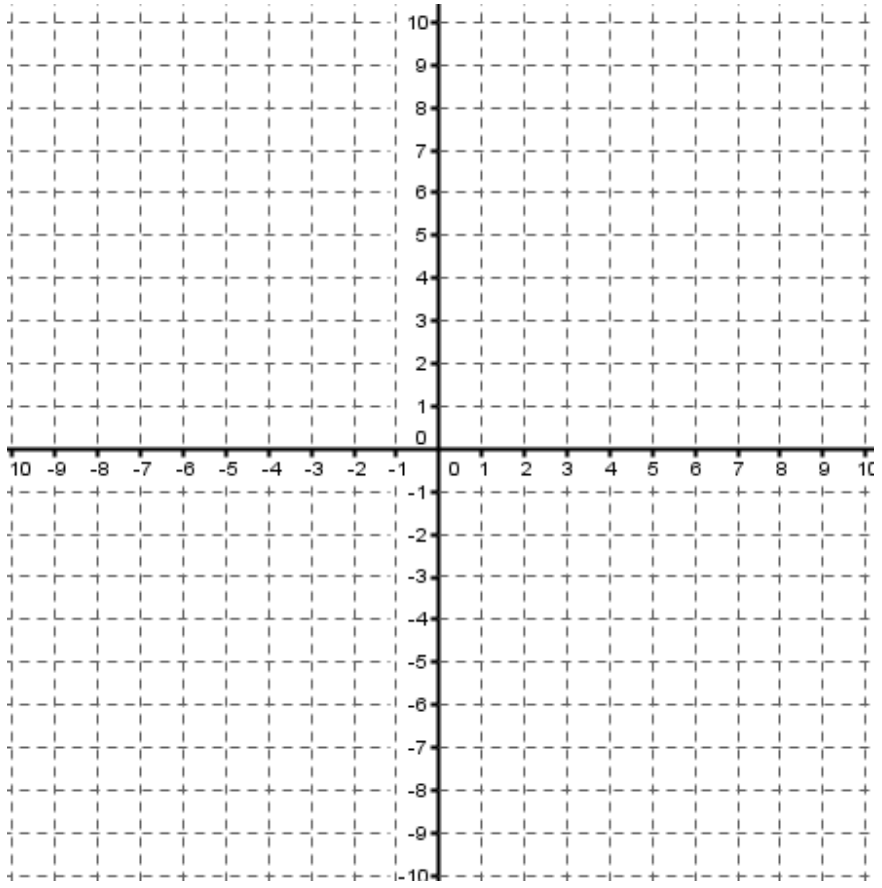
Directions: Plot the sequence of transformations on the grid and fill in the chart as you go!

1. Pre-image: A(0,0), B(8,1), C(5,5)  
 Transformations:  $R_{x-axis} \circ r_{180^\circ}$



Order your Transformations:	Coordinates:
1)	$A'$ $B'$ $C'$
2)	$A''$ $B''$ $C''$

2. Pre-image: Q(3,3), R(-1,4), S(2,6)  
 Transformations:  $r_{90^\circ} \circ R_{y-axis}$

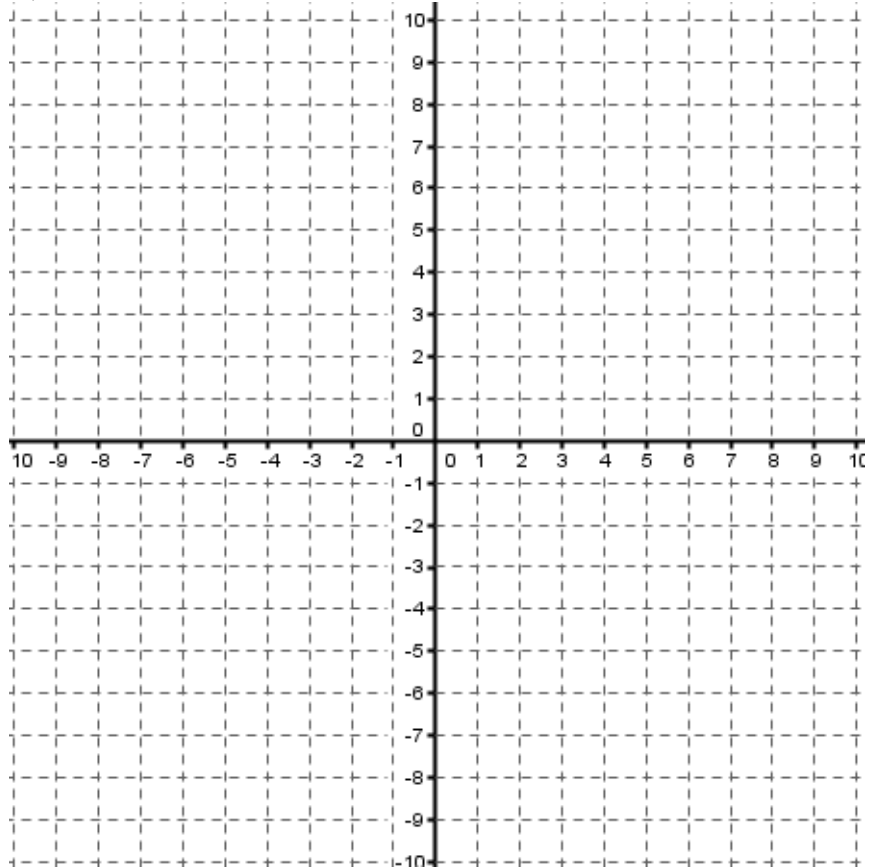


Order your Transformations:	Coordinates:
1)	$Q'$ $R'$ $S'$
2)	$Q''$ $R''$ $S''$

3. Pre-image: D(9,-3), E(6,-7), F(3,-3), G(5,-1)

Transformations:  $R_{x=2} \circ r_{180^\circ} \circ T_{\langle -10, -1 \rangle}$

Order your Transformations:	Coordinates:
1)	$D'$ $E'$ $F'$ $G'$
2)	$D''$ $E''$ $F''$ $G''$
3)	$D'''$ $E'''$ $F'''$ $G'''$



4. Pre-image: M(-3,5), A(-4,0), T(-8,-1)

Transformations:  $r_{90^\circ} \circ R_{y-axis} \circ R_{y=-2}$

Order your Transformations:	Coordinates:
1)	$M'$ $A'$ $T'$
2)	$M''$ $A''$ $T''$
3)	$M'''$ $A'''$ $T'''$

