

Name _____

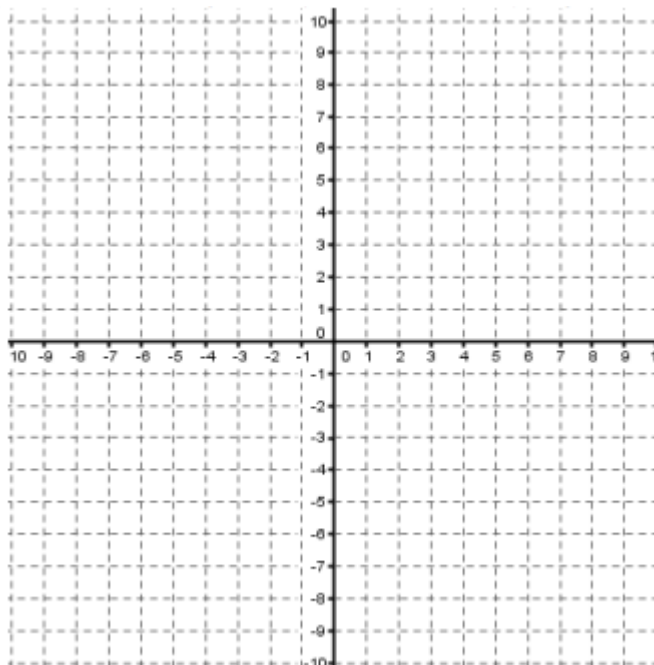
Compositions of Transformations Homework – Go for it!

Directions: Plot the composition of transformations on each graph and fill in the chart.

1. Plot A(0,0), B(8,1), C (5,5)

$$r_{x\text{-axis}} \circ R_{O,180^\circ}$$

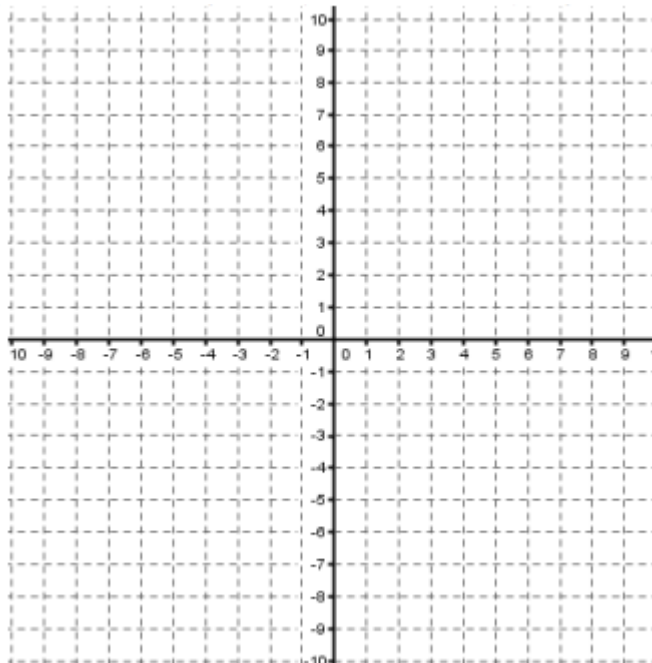
Order your Transformations:	Coordinates:
1)	A' B' C'
2)	A'' B'' C''



2. Plot A(3,3), B(-1,4), C (2,6)

$$R_{O,90^\circ} \circ r_{y\text{-axis}}$$

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



3. Find the coordinates of $r_{y\text{-axis}} \circ r_{y=x}(A)$ if the coordinates of A are $(6, 1)$.

4. Find the coordinates of the image of $(2, 4)$ under the transformation $r_{y\text{-axis}} \circ T_{3, -5}$.

5. Plot $D(9, -3)$, $E(6, -7)$, $F(3, -3)$, $G(5, -1)$
 $r_{x=2} \circ R_{O, 180^\circ} \circ T_{-10, -1}$

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

