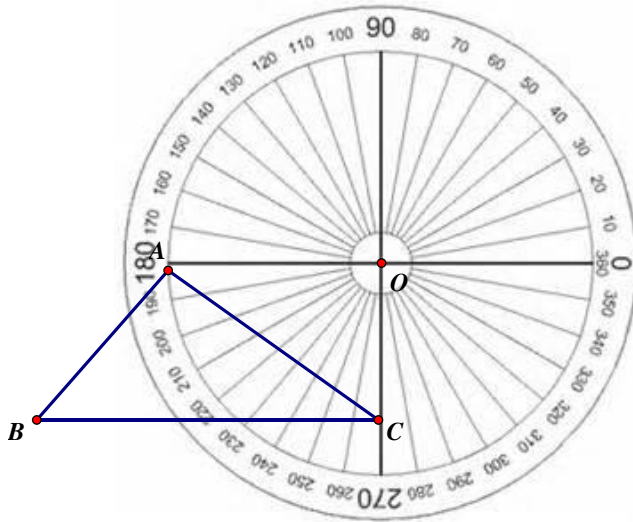


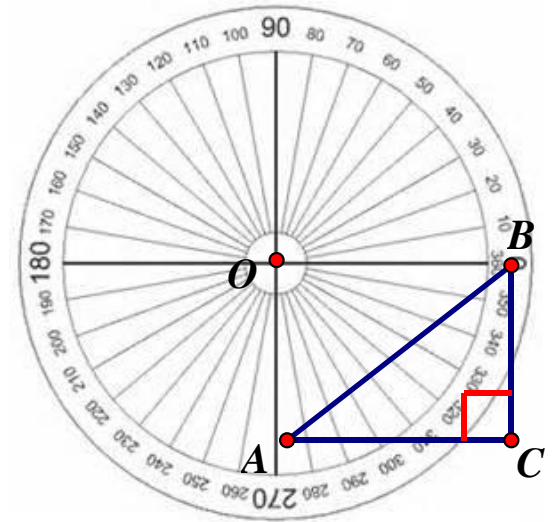
Name: _____ Hour: _____

Hansen Geometry: Transformations Review #2

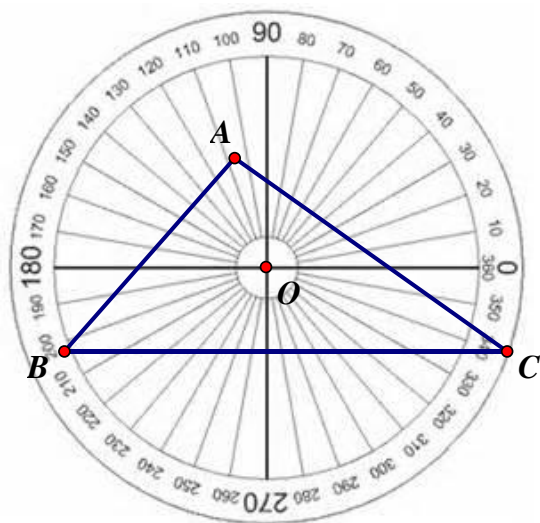
1.) Rotate 30° around point O.



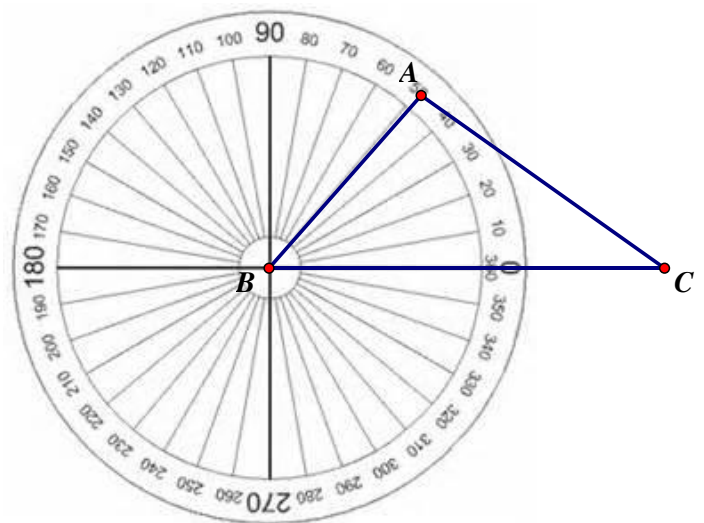
3.) Rotate 60° around point O.



2.) Rotate 120° around point O.

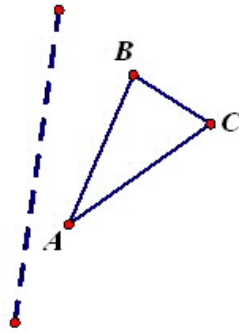


4.) Rotate 145° around point B.

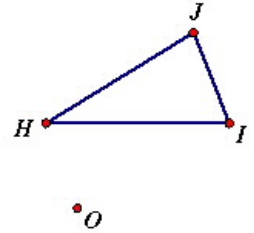


Constructions: **Construct each of the following figures under the given conditions.**

5. Reflect $\triangle ABC$ over the given line.



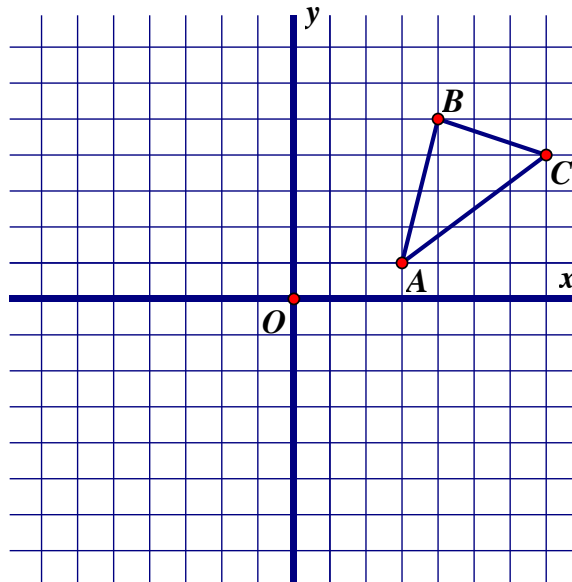
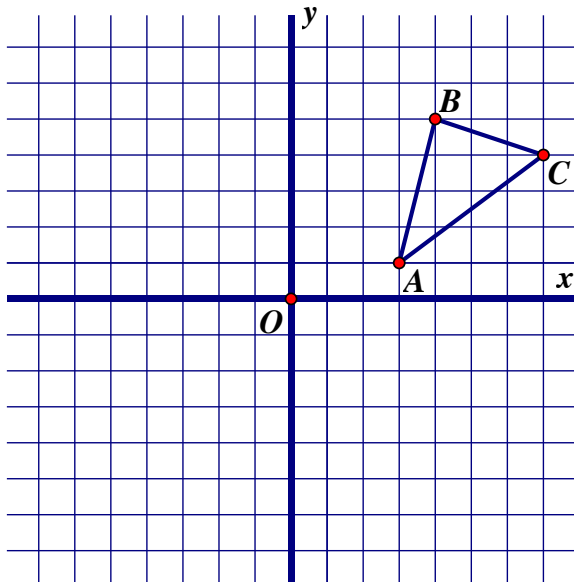
6. Rotate $\triangle HJI$ 90° about point O.



For each graph below, rotate $\triangle ABC$ around the origin by the given angle of rotation. Label the new triangle $\triangle A'B'C'$ for each graph. List the coordinates of A' , B' and C' for each rotation in the table in the lower right corner.

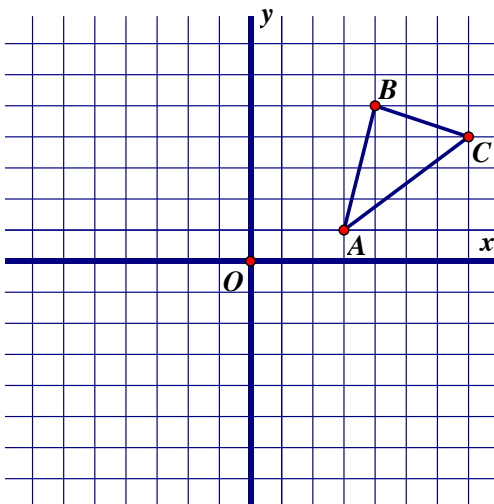
1. 90°

2. 180°



3. 270°

Coordinates of $\triangle A'B'C'$:



	A'	B'	C'
$\triangle ABC$	A (3, 1)	B (4, 5)	C (7, 4)
$\triangle A'B'C'$ after 90°	A' (,)	B' (,)	C' (,)
$\triangle A'B'C'$ after 180°	A' (,)	B' (,)	C' (,)
$\triangle A'B'C'$ after 270°	A' (,)	B' (,)	C' (,)

