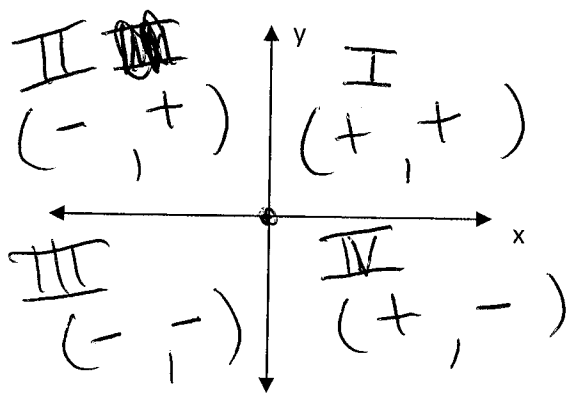
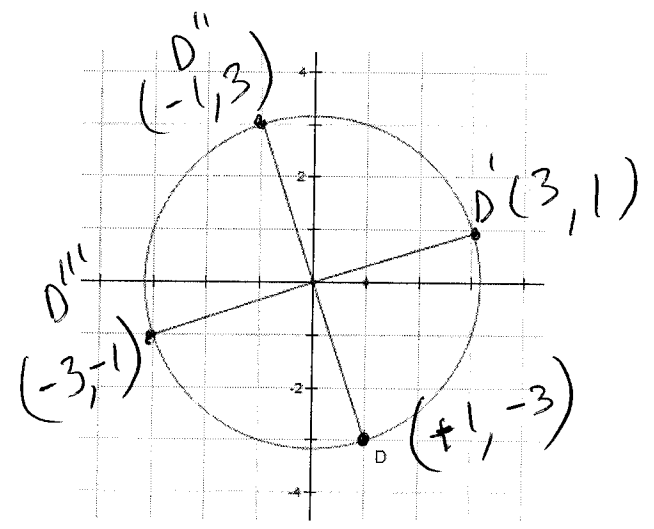
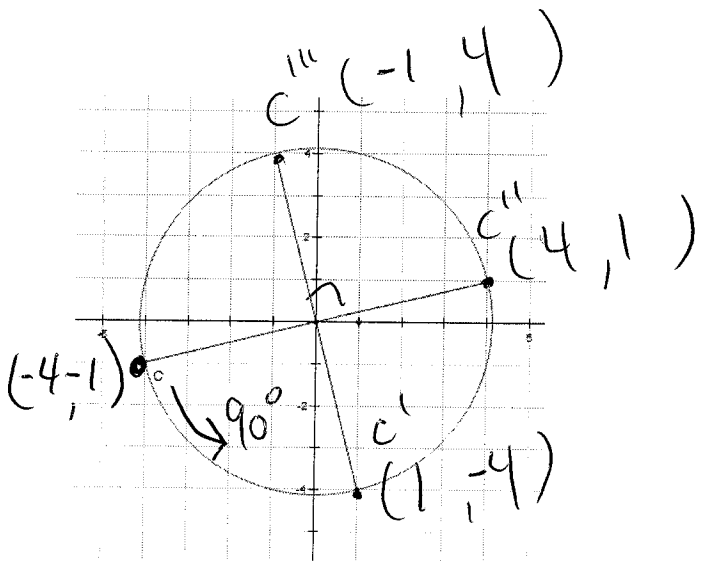
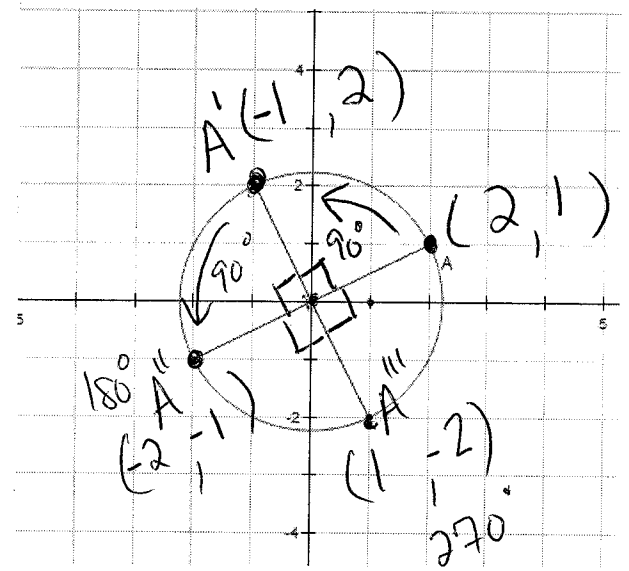
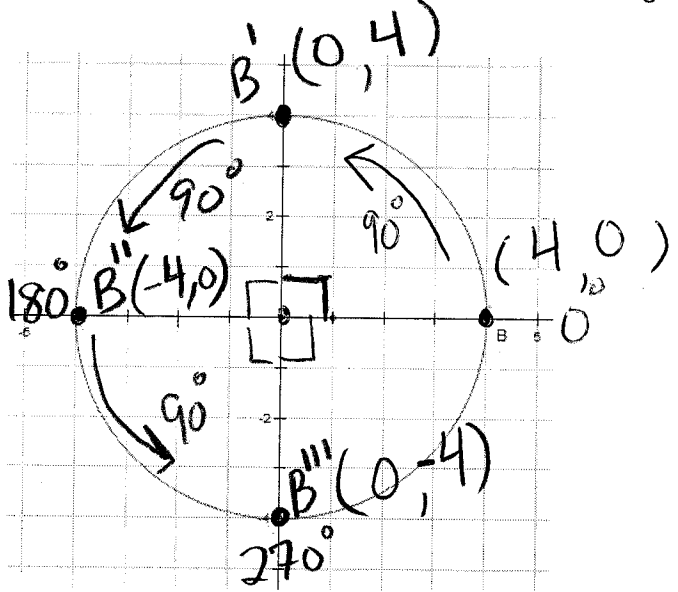


Geometry: Notes/Examples on Rotation Transformations

A Rotation is a "turn." The center of rotation is a point we select on the coordinate plane. The preimage is rotated about this point, by a specified measure of degrees. Rotations are always counter-clockwise, unless otherwise noted.

A great way to think about rotations is by thinking about "turning" points along a circle, centered at the origin.

90° is a basis of rotation, as a 90° turn moves the image from quadrant to quadrant.



Can we find any patterns in the rotations?

- Every 90° rotation, the coordinates switch.
- Apply signs based on the Quadrant you're in.

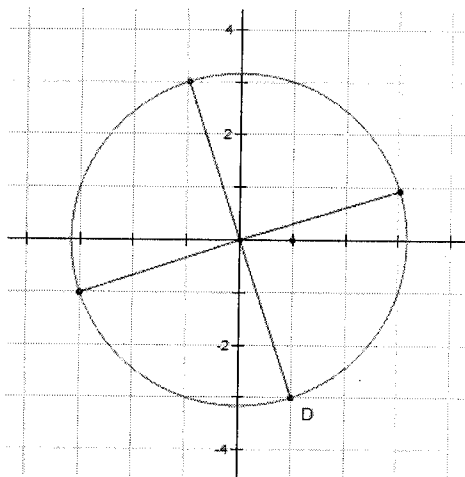
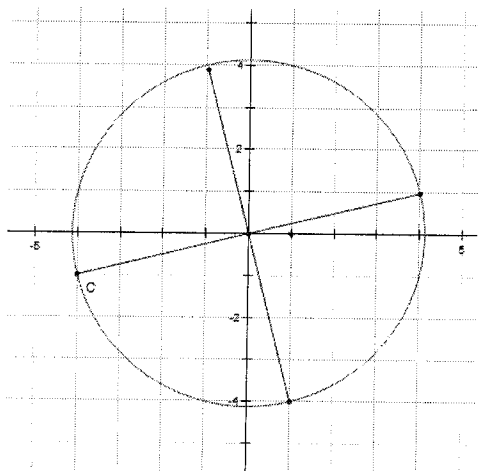
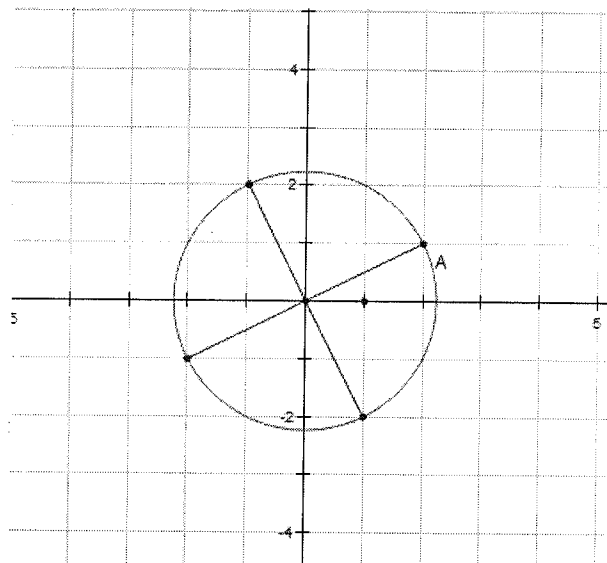
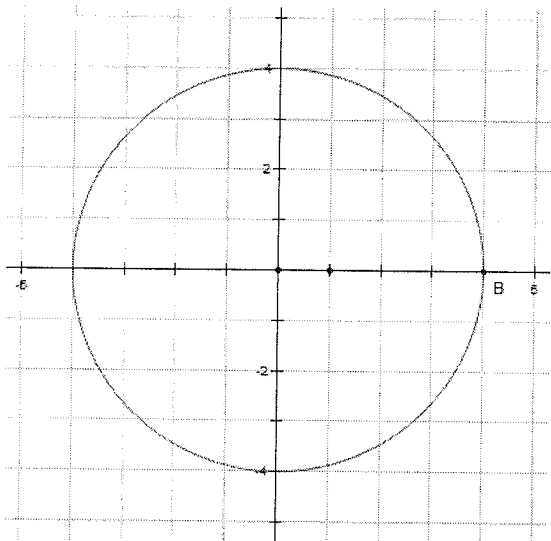
Name: _____

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