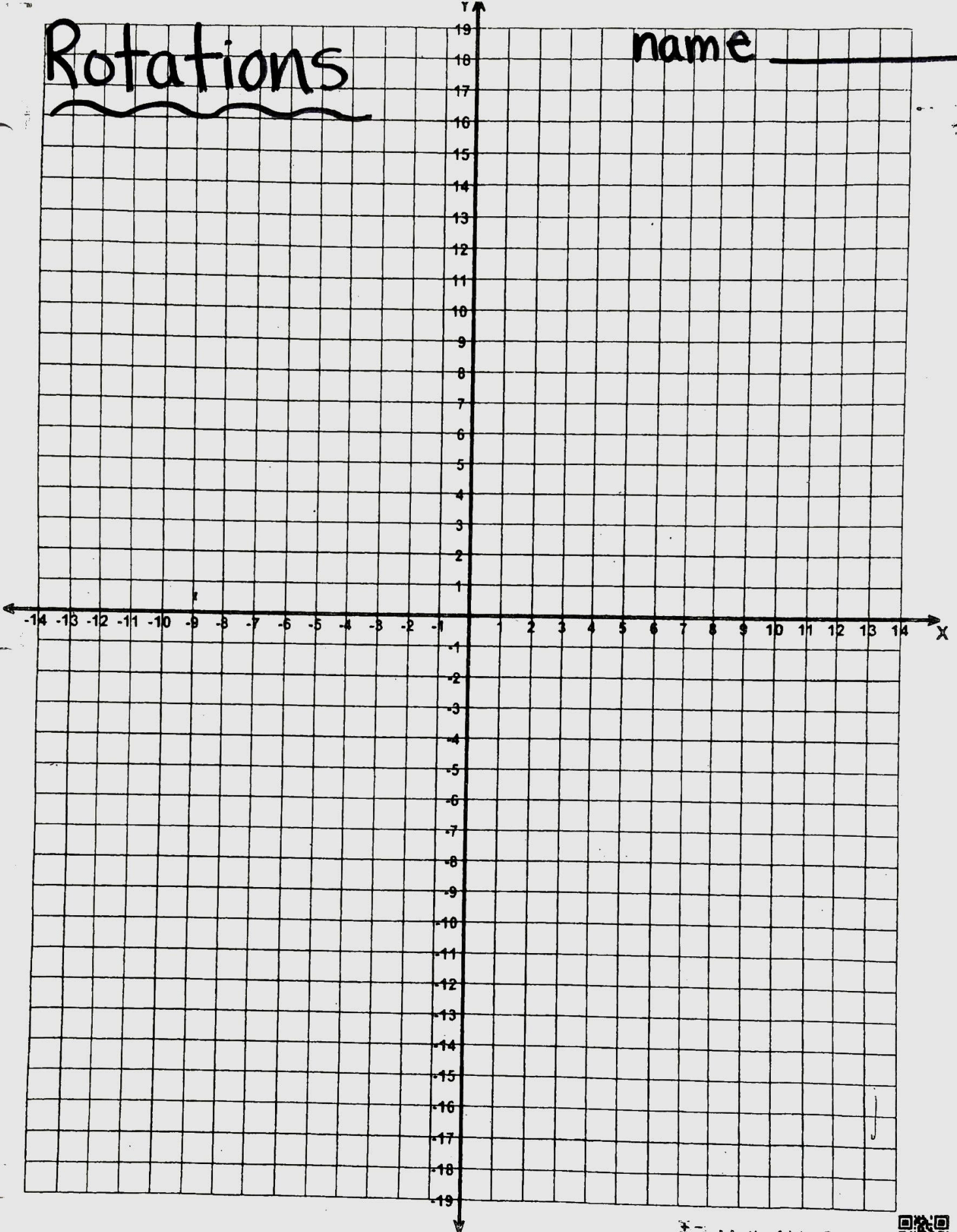


Rotations

name _____



ROTATIONS

NAME _____ Date _____ Due Date _____ Period _____

Directions: Graph and label the following points. Connect the points in alphabetical order to make a decagon.

A(3,2) B(7,9) C(3,12) D(6,11) E(7,13) F(14,10) G(12,8) H(12,4)
 I(9,6) J(9,3)

1. This figure is in Quadrant _____.

** Rotate Counter clock wise*

2. To rotate the preimage 90° about the point of origin, you take the original ordered pair and

3. Complete a 90° rotation about the point of origin of the preimage. List the new ordered pairs. Be sure to label the points on the rotated image.

A'	B'	C'	D'	E'
F'	G'	H'	I'	J'

4. The image is now in Quadrant _____.

5. To rotate the preimage 180° about the point of origin, you take the original ordered pair and

6. Go back to the preimage. Rotate the preimage 180° about the point of origin. List the new ordered pairs. Be sure to label the points on the rotated image.

A''	B''	C''	D''	E''
F''	G''	H''	I''	J''

7. The image is now in Quadrant _____.

8. Go back to the preimage. Rotate the image 270° about the point of origin. List the new ordered pairs. Be sure to label the points on the rotated image.

9. To rotate the image 270° about the point of origin, you take the original ordered pair and

Counter clock wise

A'''	B'''	C'''	D'''	E'''
F'''	G'''	H'''	I'''	J'''