Secondary Math 1 Geometry Name_____

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Unit 10.4 worksheet Rotations

Period____

Write a rule to describe each transformation.

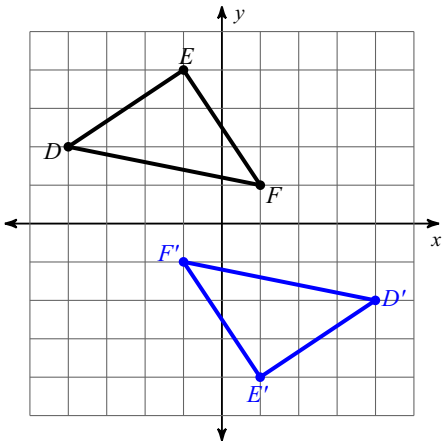
1) $F(-2, -5), E(-4, -1), D(-3, 1), C(0, 0)$
to
$F'(5, -2), E'(1, -4), D'(-1, -3), C'(0, 0)$

2) $H(-2, -3), I(-4, 1), J(1, 2), K(2, -2)$
to
$H'(3, -2), I'(-1, -4), J'(-2, 1), K'(2, 2)$

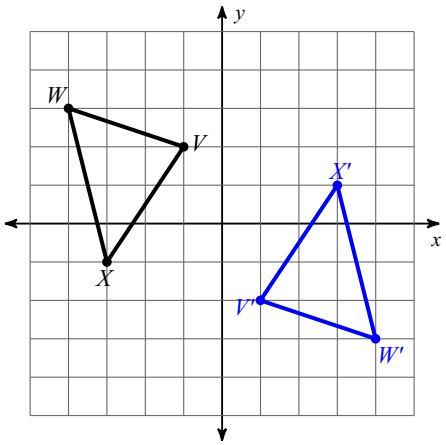
3) $A(-2, -5), B(-3, -1), C(1, -4)$
to
$A'(-5, 2), B'(-1, 3), C'(-4, -1)$

4) $F(4, 1), E(4, 5), D(5, 5), C(5, 2)$
to
$F'(-1, 4), E'(-5, 4), D'(-5, 5), C'(-2, 5)$

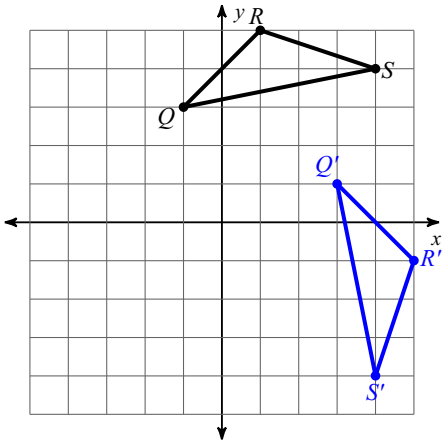
5)



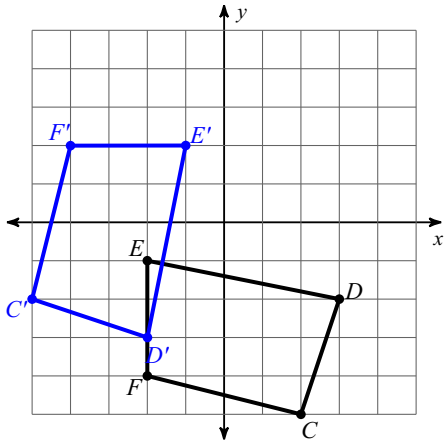
6)



7)



8)



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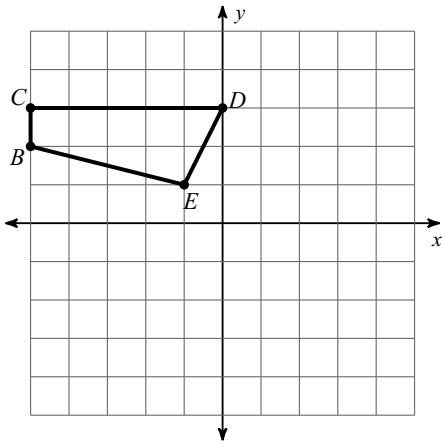
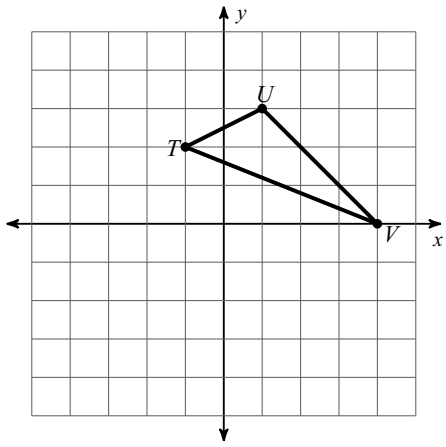
Graph the image of the figure using the transformation given.

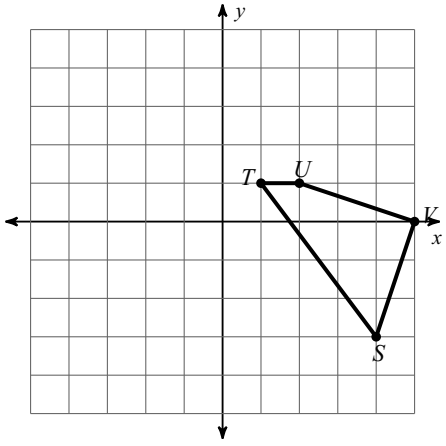
9) rotation 90° clockwise about the origin



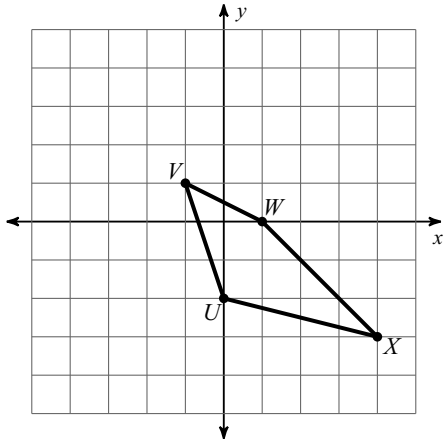
10) rotation 90° counterclockwise about the origin



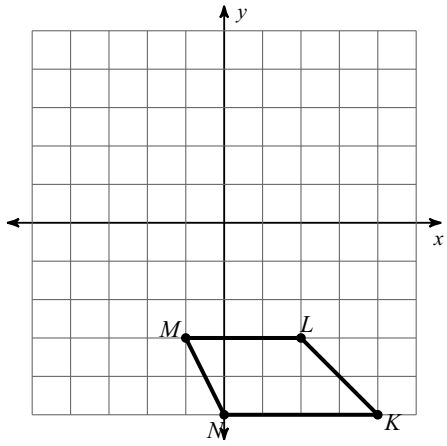
11) rotation 90° counterclockwise about the origin



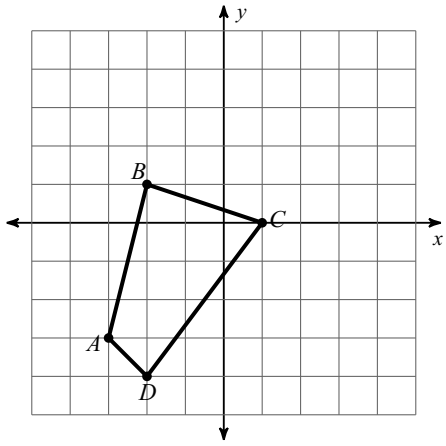
12) rotation 90° counterclockwise about the origin



13) rotation 90° clockwise about the origin



14) rotation 180° about the origin



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