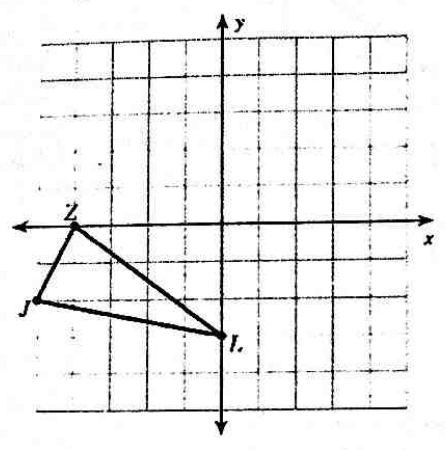nsformations , the composite

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Transformations Mixed Review
Geometry
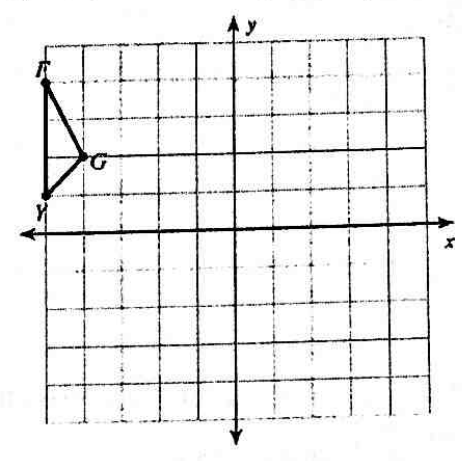### All Transformations

Name_____

Date_____ Period_____

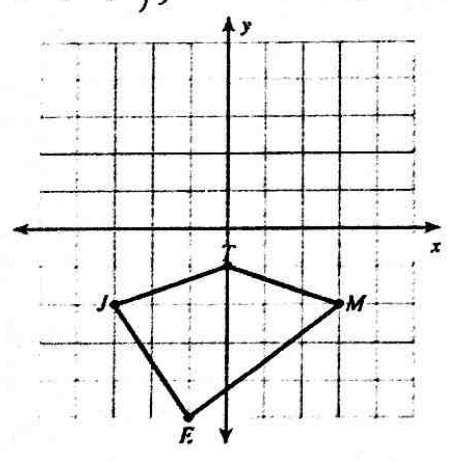**Graph the image of the figure using the transformation given.**

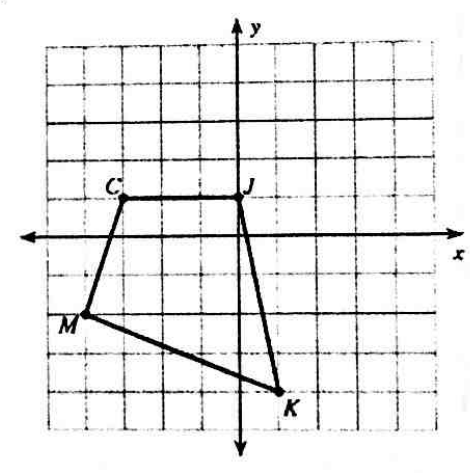1) rotation 90° counterclockwise about the origin

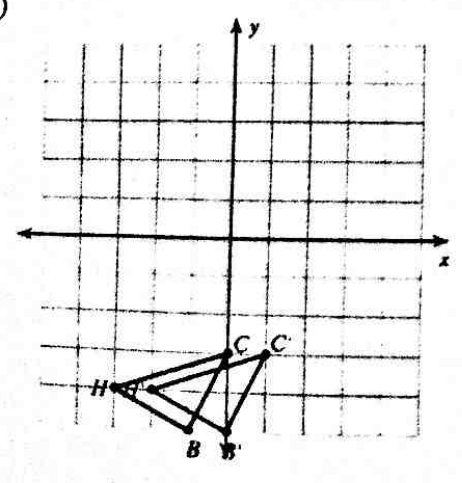2) $(x,y) \rightarrow (x+4, y-1)$

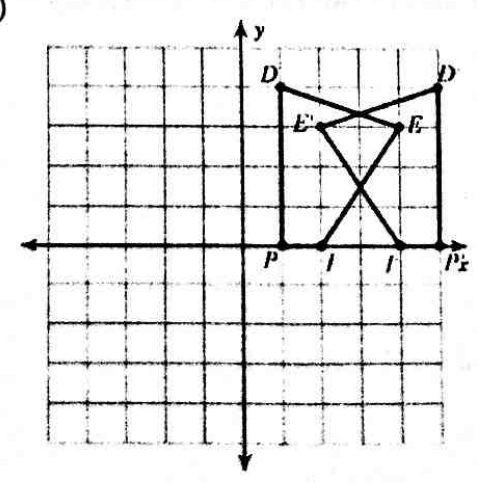3. $(x,y) \rightarrow (x+1, y+1)$

4) reflection across the x-axis
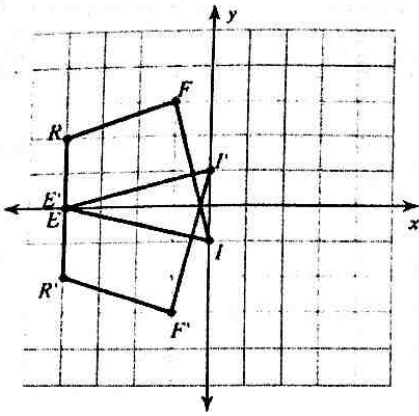

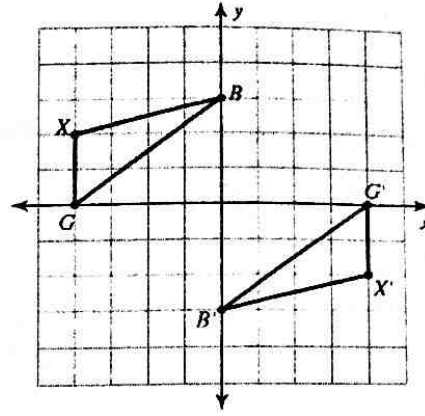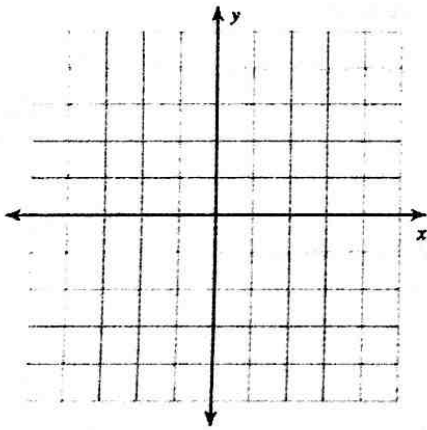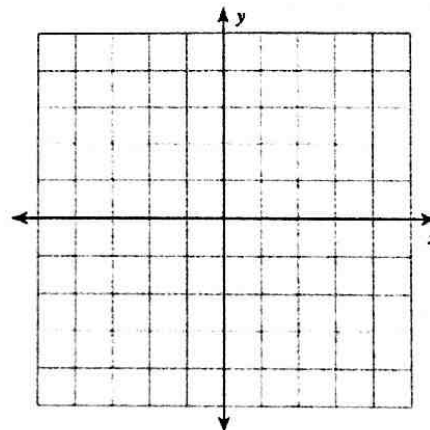**Write a rule to describe each transformation.**

5)

6)

7)

8)

Graph the image of the figure using the transformation given.

9) rotation 90° ~~Counter~~ clockwise about the origin
B(–2, 0), C(–4, 3), Z(–3, 4), X(–1, 4)

10) reflection across y – axis
K(–5, –2), A(–4, 1), I(0, –1), J(–2, –4)

Find the coordinates of the vertices of each figure after the given transformation.

11) rotation 180° about the origin
E(2, –2), J(1, 2), R(3, 3), S(5, 2)

12) reflection across y axis
J(1, 3), U(0, 5), R(1, 5), C(3, 2)

13) Translation by ⟨7, –1⟩
J(–3, 1), F(–2, 3), N(–2, 0)

14) $(x, y) \to (x+6, y – 3)$
S(–3, 3), C(–1, 4), W(–2, –1)