

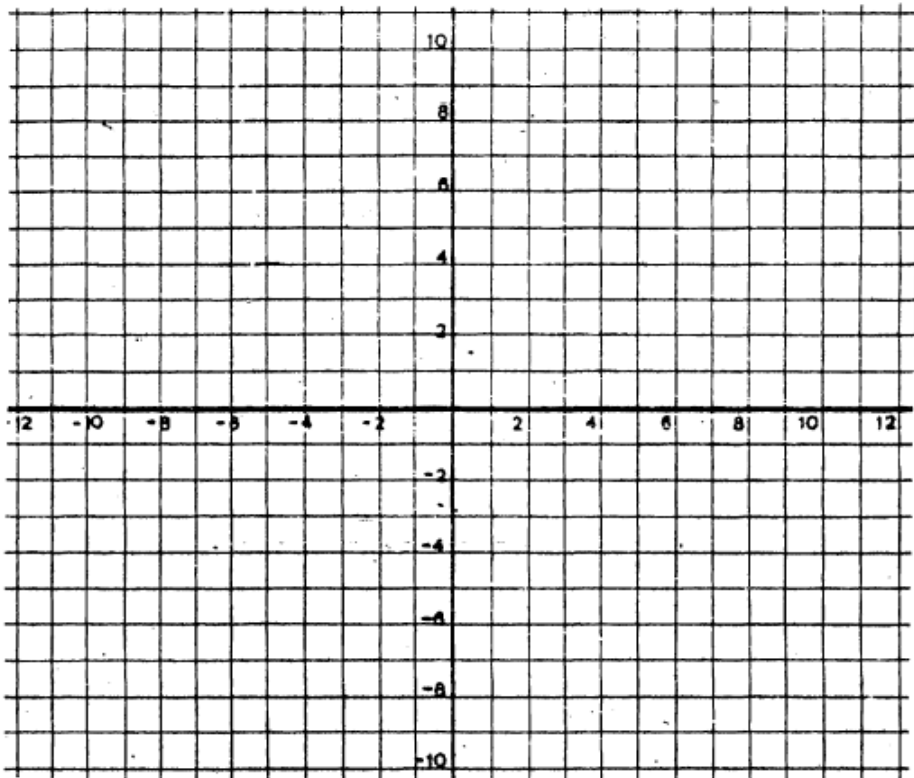
Geometry Second Semester Review

Name _____

Chapter 14

Point P has coordinates (4, -2). Find the image P' under each transformation.

1. a reflection in the line $y = -3$ followed by a reflection in the line $x = 2$
2. a reflection in the line $y = x$
3. a dilation with center (0, 0) and scale factor 3
4. a dilation with center (0, 0) and scale factor $\frac{-1}{2}$
5. a rotation 90° clockwise with center at (0, 0)
6. a translation using the rule $(x, y) \rightarrow (x - 6, y + 8)$
7. a half-turn with center at (1, 1) followed by a reflection in the x-axis



8. Draw all lines of symmetry on the rectangle.

