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WARMUP

3. If $T:(x, y) \rightarrow (x + 1, y - 2)$, find the image and preimage of the origin.

4. Find the image of (3, 5) when reflected in each line.

a. the x-axis (3,-5) b. the y-axis (-3,5) c. the line $y = x$. (5,3)

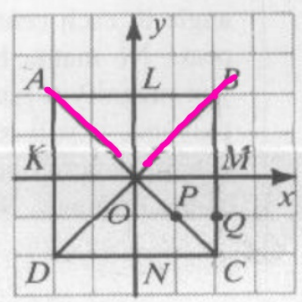
Complete. R_x and R_y denote reflections in the x- and y-axes, respectively.

7. $R_y: A \rightarrow$ B

8. $R_x: B \rightarrow$ C

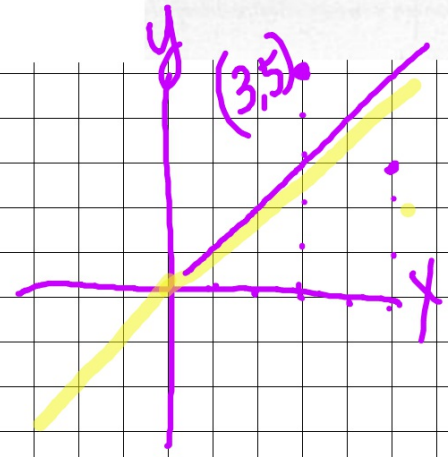
9. $R_x: \overline{DC} \rightarrow$ AB

10. $R_y:$ OB $\rightarrow \overline{OA}$



-1 $\rightarrow (x, y)$ T' (1,-2)

Pre (-1, +2) OB

(3,7) T' (4,5)

2,9