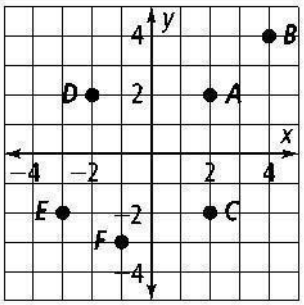
Name: ----------Class ----- Date-------

HW-47 Reflections

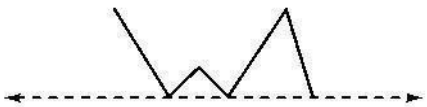
Each point is reflected across the line indicated. Find the coordinates of each image.



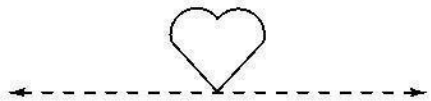
1. A across the x-axis
2. B across the y-axis
3. C across $y = 1$
4. D across $x = -1$
5. E across $y = -1$
6. F across $x = 2$

Copy each figure and the dotted line. Draw each figure's reflection image across the dotted line.

7.



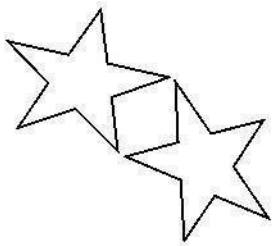
8.

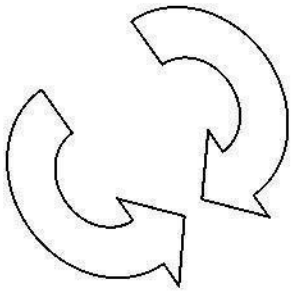


9.

Point A on a coordinate grid is at (3, 4). If the point is reflected across the line $y = x$, what are the coordinates of its image?

Copy each pair of figures. Then draw the line of reflection you can use to map one figure onto the other.





9. 11.

12. Point Z on a coordinate grid is at $(-1, 3)$. If the point is reflected across the line $y = -x$, what are the coordinates of its image?

Find the image of $Z(1, 1)$ after two reflections, first across line l_1, and then across line l_2.

13. $\ell_1 : x = 2$, $\ell_2 : y$-axis