

Reflections of figures in the coordinate plane

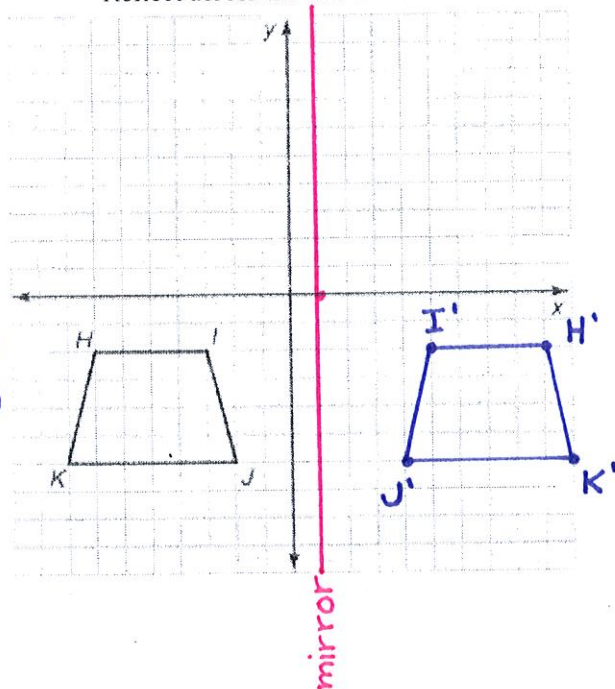
Big Ideas:

- *REFLECTIONS are a transformation in which the image is reflected across a line, producing a mirror image.
- *Find the distance of each point from the line of reflection and place it the same distance on the other side of the line of reflection

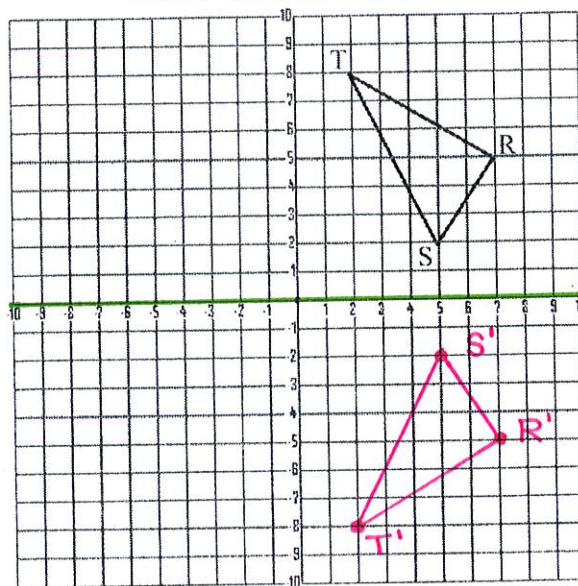
Examples:

Reflect across the line $x = 1$

$H'(9, -2)$
 $I'(5, -2)$
 $J'(4, -6)$
 $K'(10, -6)$



Reflect across the x axis.



$R'(7, -5)$
 $S'(5, -2)$
 $T'(2, -8)$
 mirror