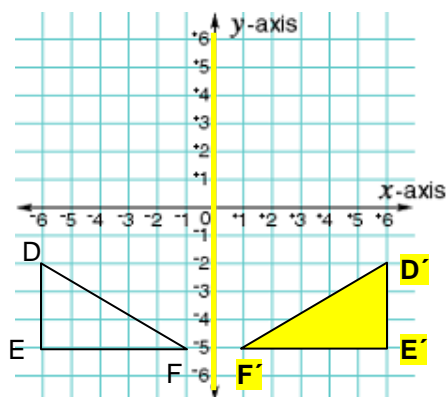




Reflections and Symmetry (page 3)

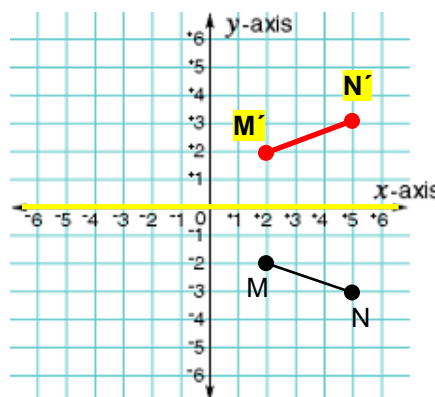
1) Describe a reflection in one word. **FLIP**

2) What are the coordinates of D' , E' , and F' after D , E , and F are reflected across the y -axis? Draw the image.



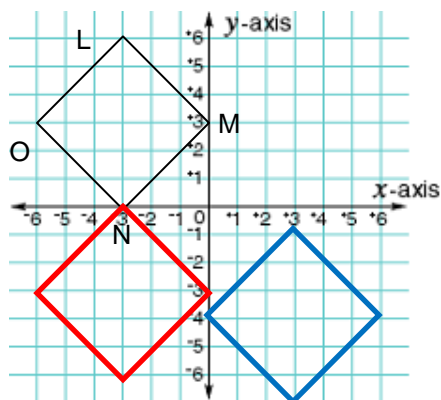
$D(-6, -2) \rightarrow D'(6, -2)$
 $E(-6, -5) \rightarrow E'(6, -5)$
 $F(-1, -5) \rightarrow F'(1, -5)$

3) What are the coordinates of M' and N' after \overline{MN} is reflected across the x -axis? Draw the image.



$M(2, -2) \rightarrow M'(2, 2)$
 $N(5, -3) \rightarrow N'(5, 3)$

4) Reflect the polygon in the x -axis, then translate using $(x, y) \rightarrow (x + 6, y - 1)$.



5) Tell how many lines of symmetry the square below has. Draw them.

4 lines

