**Reflection HW** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reflect each figure as described. Write the coordinates of the figure’s image after it has been reflected.

**1.** Reflect XYZ across the x-axis. X (-3, -2), Y (-5, 0), Z (1, 3)

 

X**´** ( , )

Y**´** ( , )

Z**´** ( , )

**2.** Reflect XYZ across the y-axis. X (3, -4), Y (0, 4), Z (1, -2)

 

X**´** ( , )

Y**´** ( , )

Z**´** ( , )

**3.** Figure FGHJ has the following coordinates.

 F (-4 , 2) G (-4 , 4) H (1 , 4) J (-1 , -2)

 Give the coordinates of the image of figure FGHJ if it is reflected across the:

 **a)** y-axis **b)** x-axis

 F**´** ( , ) G**´** ( , ) F**´** ( , ) G**´** ( , )

 H**´** ( , ) J**´** ( , ) H**´** ( , ) J**´** ( , )