BPW WS 3	Name	Period
1. When a graph is reflected ov	ver the <i>x</i> -axis, the _	coordinates change to their opposites.
2. When a graph is reflected ov	ver the <i>y</i> -axis, the	coordinates change to their opposites.
3. The point (5, 4) is reflected of What are the coordinates of the	over the <i>y</i> -axis. new point?	4. The point (-8, 2) is reflected over the x-axis What are the coordinates of the new point?

Reflect each triangle over the given axis or line. Then list the coordinates of the image.





6. Reflection over the *y*-axis.



7. Reflection over the line y = x.



8. The point (2, -7) was reflected over an axis. Its image is now at (-2, -7). Which axis was the point reflected over?



Core Focus on Geometry

8. Graph and label the following points on the coordinate plane below.



Reflect the square over the x-axis. Draw and label the image in a different color. Write the coordinates of the image below.



9. Graph and label the following points on the coordinate plane below.



Reflect the square over the y-axis. Draw and label the image in a different color. Write the coordinates of the image below.

- E'(,) F'(,)
- G'(,)
- Η'(,)