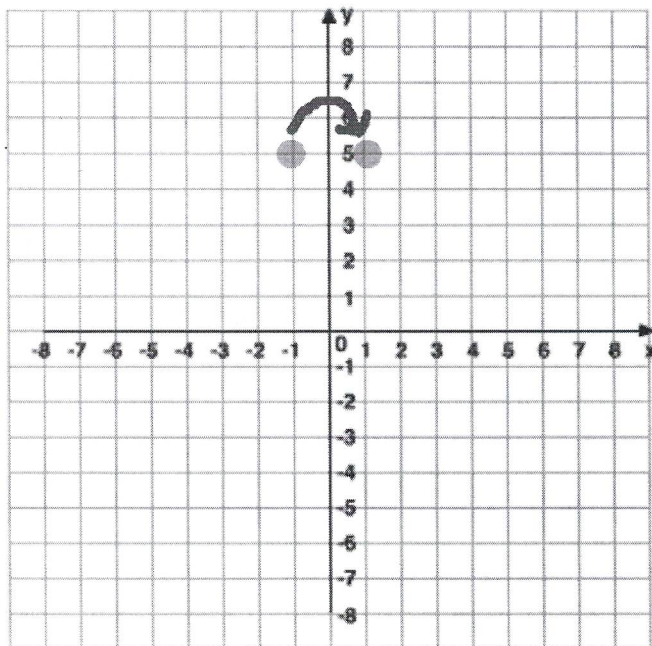


Complete today's practice problems on your notes page.

4) Reflect  $(-1, 5)$  in the  $y$  axis.



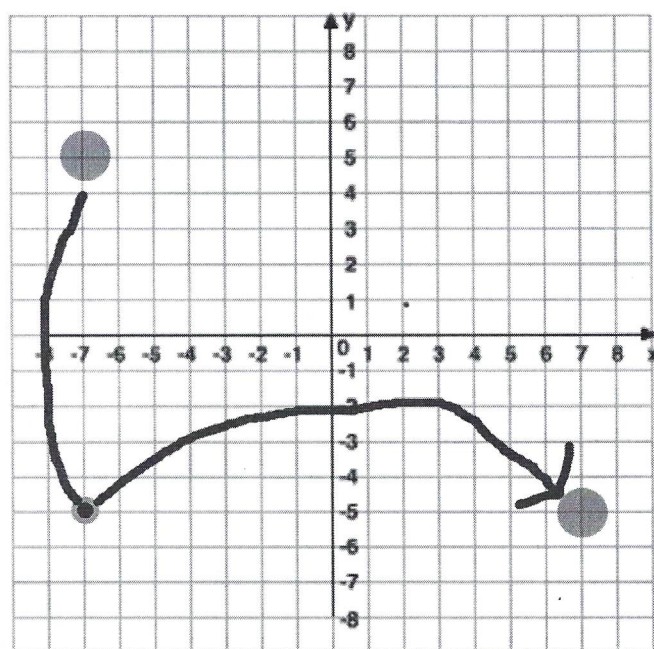
**$(1, 5)$**

Reflect in both the x axis and the y axis

Take the opposite of both the x and y coordinates.

**Example:**

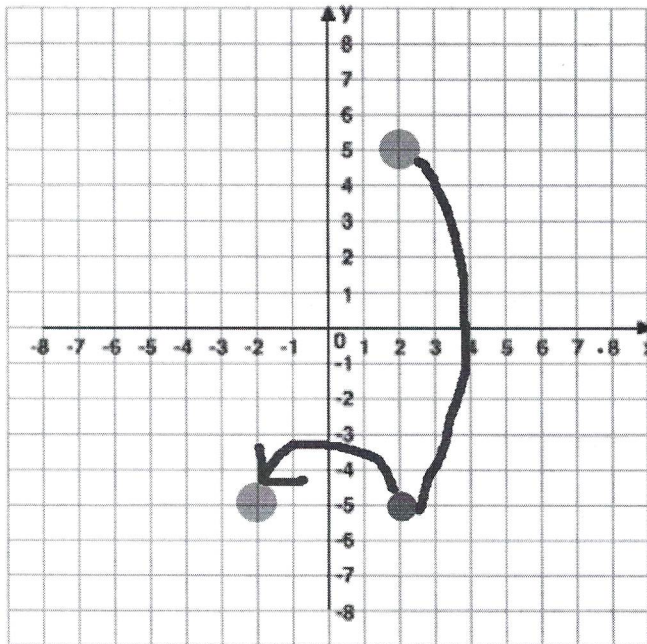
**( - 7, 5) reflects to (7, - 5)**



**(7, - 5)**

Complete today's practice problems on your notes page.

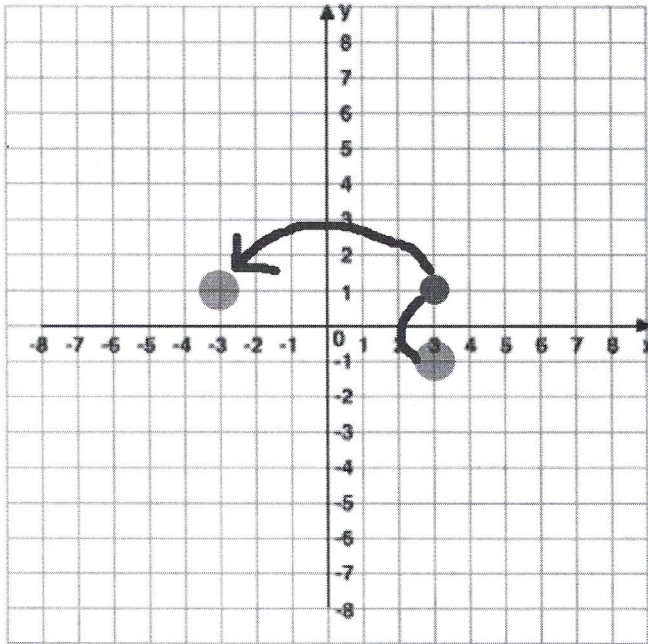
- 5) Reflect  $(2, 5)$  in the  $x$  axis followed by the  $y$  axis.



$(-2, -5)$

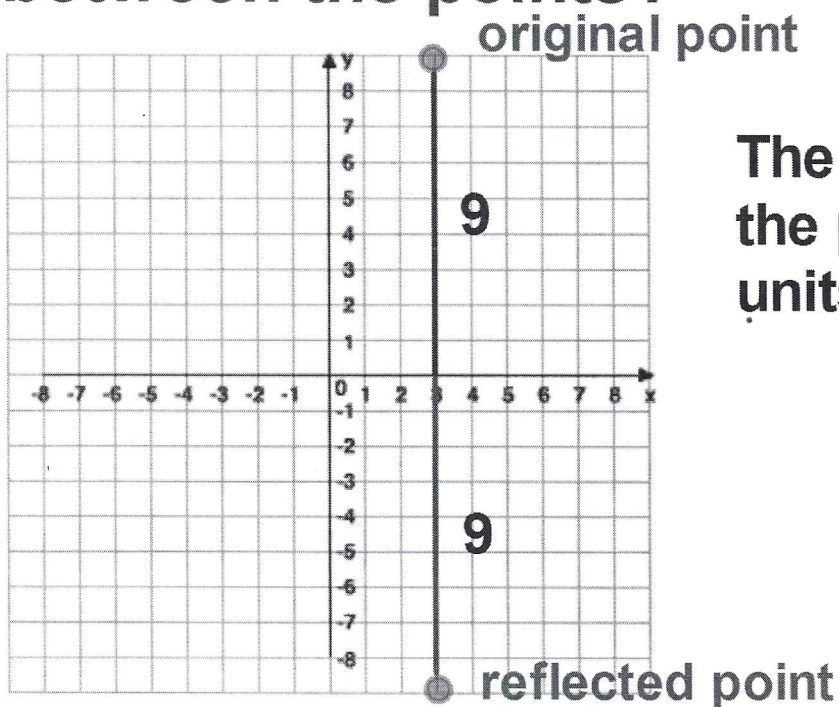
Complete today's practice problems on your notes page.

- 6) Reflect  $(3, -1)$  in the  $x$  axis followed by the  $y$  axis.



**$(-3, 1)$**

A point is reflected in the x axis. The reflected point is  $(3, -9)$ . What is the original point? What is the distance between the points?



The distance between the points is  $9 + 9 = 18$  units.

A point is reflected in the y axis. The reflected point is  $(5.75, 0)$ . What is the original point? What is the distance between points?

The distance between the points is  $5.75 + 5.75 = 11.5$  units.

