

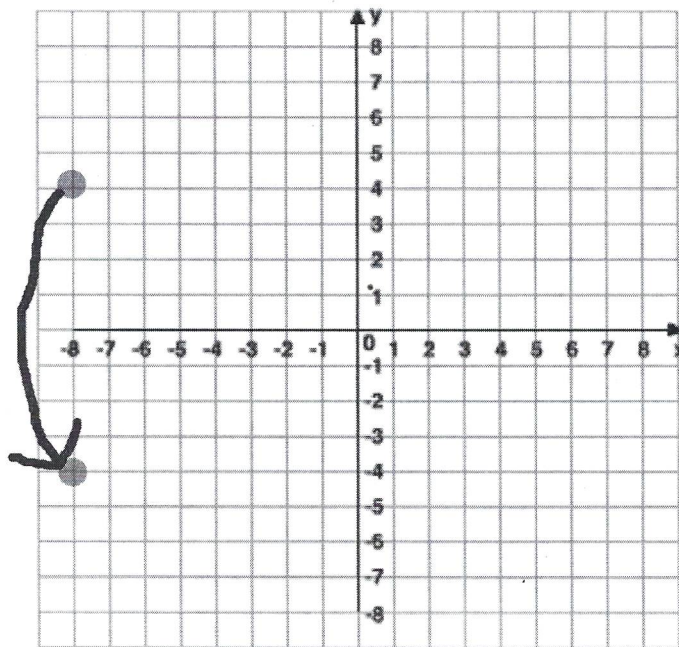
<b>Chapter 6</b>	<b>Integers and the Coordinate Plane</b>
<b>Date:</b>	<b>6.5 Ext. Reflecting Points in the Coordinate Plane</b>
<b>Essential Question</b>	<b>How do you reflect points in a coordinate plane?</b>

Reflect in  
the x axis

Keep the x coordinate, take the opposite y coordinate.

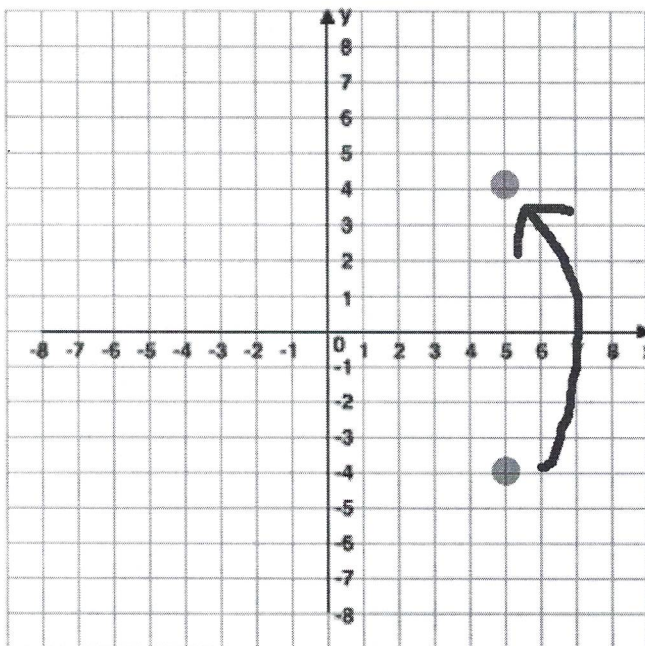
**Example:**

**( - 8, 4) reflects to ( - 8, - 4)**



Complete today's practice problems on your notes page.

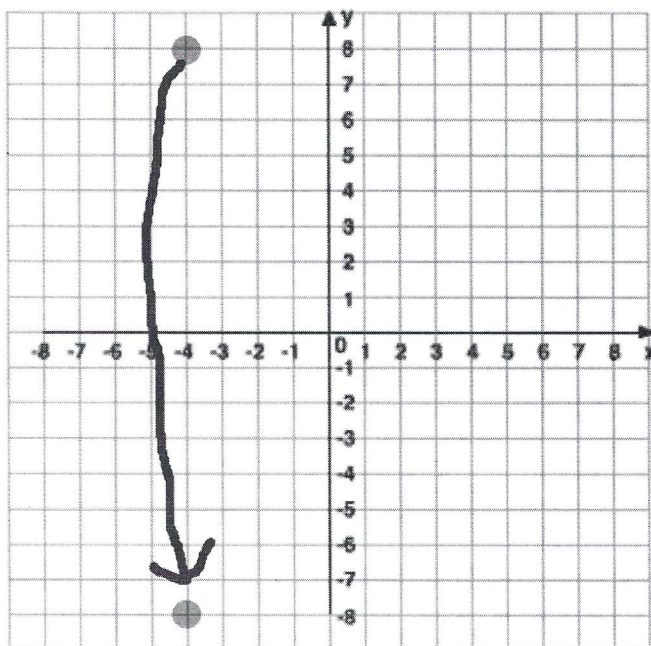
1) Reflect  $(5, -4)$  in the  $x$  axis.



**$(5, 4)$**

Complete today's practice problems on your notes page.

2) Reflect  $(-4, 8)$  in the  $x$  axis.



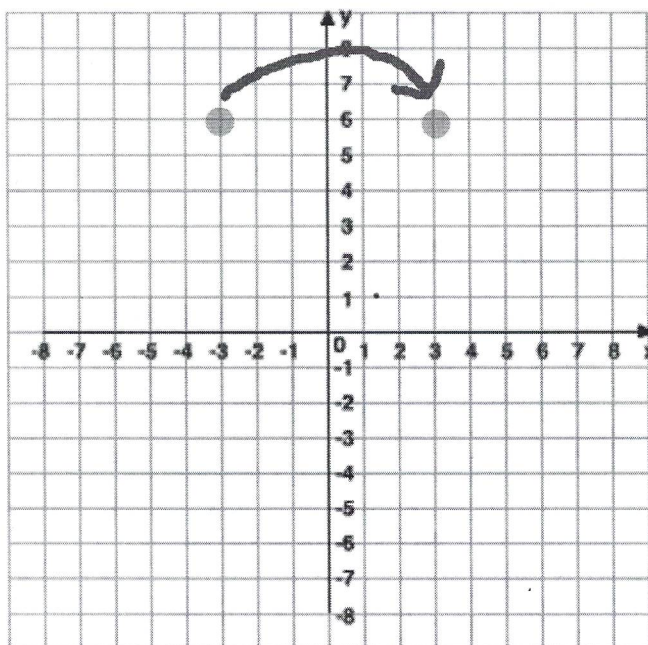
**$(-4, -8)$**

Reflect in  
the y axis

Keep the y coordinate, take the opposite x coordinate.

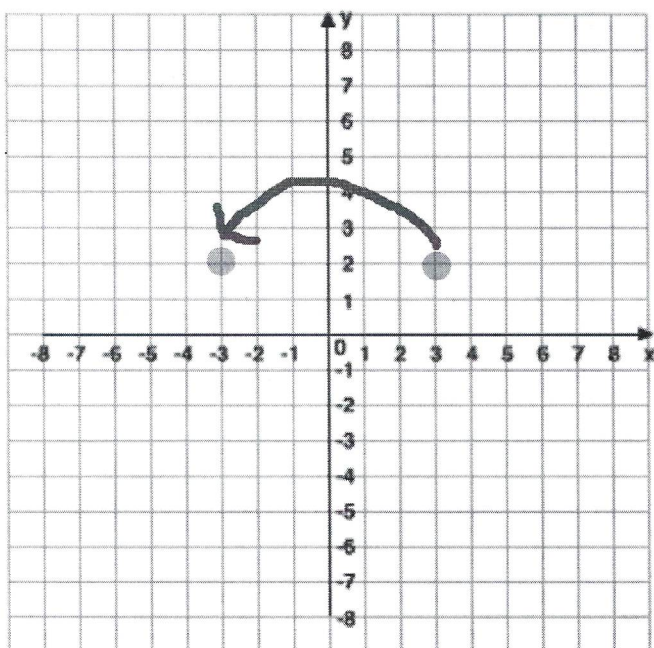
**Example:**

**( - 3, 6) reflects to ( 3, 6)**



Complete today's practice problems on your notes page.

3) Reflect  $(3, 2)$  in the  $y$  axis.



$(-3, 2)$