

# Coordinate Grid Practice

Notice in the grid, the point  $(-6, 5)$  moves four units to the right. It ends up at  $(-2, 5)$ .

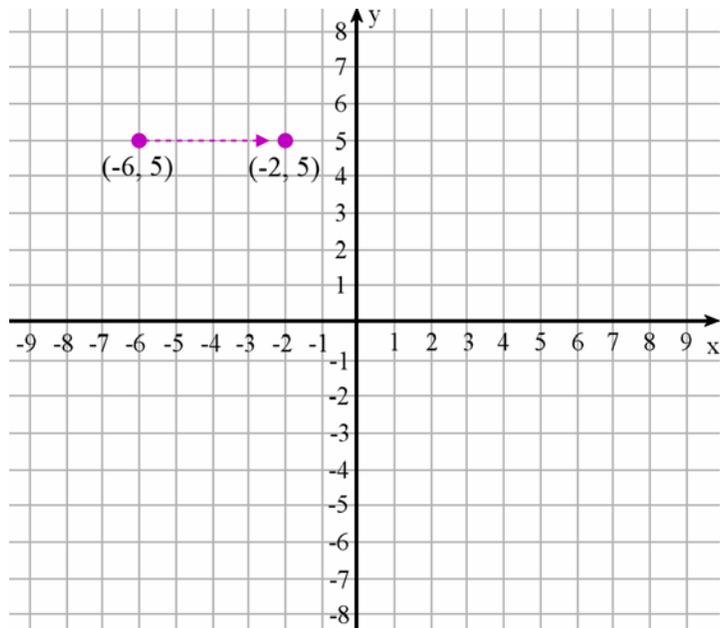
1. a. The points  $(-5, -2)$ ,  $(-1, -7)$  and  $(1, -6)$  are vertices of a triangle. Draw the triangle.

b. Move the triangle five units up (draw the new triangle). Write the coordinates of the moved vertices.

$$(-5, -2) \rightarrow (\underline{\quad}, \underline{\quad})$$

$$(-1, -7) \rightarrow (\underline{\quad}, \underline{\quad})$$

$$(1, -6) \rightarrow (\underline{\quad}, \underline{\quad})$$



2. Write the coordinates of the new points based on the directions in the box on the right.

Point	Direction	New point
$(1, 1)$	7 units down	
$(2, -2)$	6 units left	
$(-2, 7)$	5 units right	
$(-2, -2)$	4 units down	

3. The point  $(-5, 5)$  is moved 8 units to the right *and* 3 units down. What are its new coordinates?

4. Jay drew a secret figure, and then he moved it 8 units up. The vertices of the moved figure are now at:  $(-4, 8)$ ,  $(-6, 6)$ ,  $(-4, 2)$  and  $(1, 6)$ . What were the coordinates of the original vertices?

