

## 3-4 • Guided Problem Solving

### GPS Student Page 126, Exercise 25:

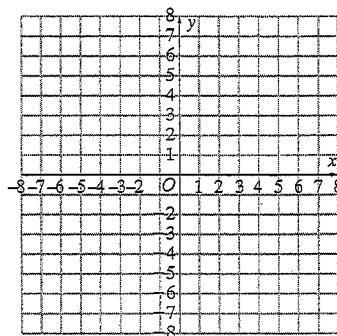
- Graph each of these points on a coordinate plane:  
 $(-2, -2)$ ,  $(-5, 3)$ ,  $(-3, 3)$ ,  $(-1, 0)$ ,  $(1, 3)$ ,  $(3, 3)$ ,  $(0, -2)$ ,  
 $(0, -7)$ ,  $(-2, -7)$ ,  $(-2, -2)$ .
- Connect the points in order and describe the figure formed.

### Understand

- How many points are you to plot? \_\_\_\_\_
- Given an ordered pair, the  $x$ -coordinate is the \_\_\_\_\_ number; the  $y$ -coordinate is the \_\_\_\_\_ number.
- What is it that you are asked to do after plotting the points?  
 \_\_\_\_\_  
 \_\_\_\_\_

### Plan and Carry Out

- What does the  $x$ -coordinate indicate?  
 \_\_\_\_\_
- What does the  $y$ -coordinate indicate?  
 \_\_\_\_\_
- Plot the points on the graph.
- Which quadrant is the first point in? \_\_\_\_\_
- Connect the points in order.
- What shape is formed? \_\_\_\_\_



### Check

- Is every point plotted correctly to create the figure?  
 \_\_\_\_\_

### Solve Another Problem

- Plot the following points on the grid at the right. Connect the points in order, connecting the last point to the first. What shape is formed?  
 $(-3, -2)$ ,  $(0, 4)$ ,  $(3, -2)$ ,  $(-3, 2)$ ,  $(3, 2)$   
 \_\_\_\_\_

