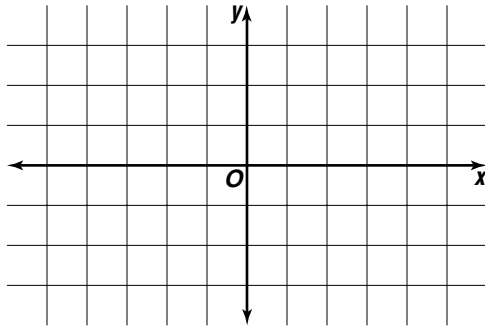


# Chapter 6 Review

## Make a Map

See if you and a parent can find Captain Graphsalot's fleet of ships. Use each clue to graph points that show the locations of his ships. Three or more points in a row indicate the location of a single ship.



**Clue 1:** Graph  $\{(0, 1), (0, 3), (5, 1)\}$ . State the domain of this relation.

**Clue 2:** Graph  $\{(5, 0), (4, -2), (3, -2)\}$ . State the range of this relation.

**Clue 3:** Solve  $y - x = 1$  for the domain  $\{-2, -1, 2\}$ . Plot the points in your graph.

**Clue 4:** Determine whether each of the following relations is a function. If the relation is a function, graph the given points. If it is not a function, do not graph it.

a.

x	y
0	1
0	-1
4	2

b.

x	y
-3	-2
2	-2
1	3

c.

x	y
-1	3
5	2

**Clue 5:** Given  $g(x) = 2x + 6$ , find  $g(-1)$ . This is the number of ships that you should have found in the fleet.

Answers are located on page 115.