

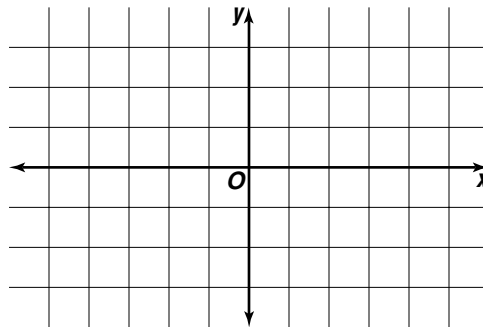
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NAME _____ DATE _____

Chapter 5 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 and range of this relation.

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

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

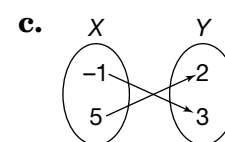
Clue 4: Determine whether each of the following relations is a function. If the relation is a function, graph the given points. If it is not a function, do not graph it.

a.

x	y
0	1
0	-1
4	2

b.

x	y
-3	-2
2	-2
1	3



Clue 5: Given $g(x) = x^2 - 5$, find $g(-3)$. This is the number of ships that you should have found in the fleet.

Answers are located on page 108.