

LESSON **4-2** **Algebra Lab Recording Sheet** p. 243
The Vertical-Line Test

Try This

Activity

1. Look at the values in Table 1.

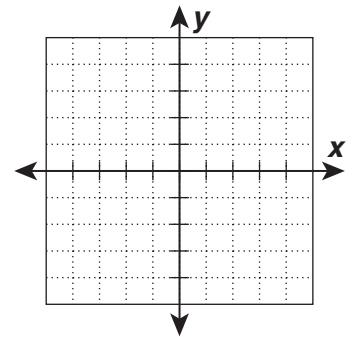
Is every x -value paired with exactly one y -value? _____

If not, what x -value(s) are paired with more than one y -value?

2. Is the relation a function? Explain.

3. Graph the points from the Table 1. Draw a vertical line through each point of the graph. Does any vertical line touch more than one point?

x	y
-2	-5
-1	-3
0	-1
1	1
2	3
3	5



4. Look at the values in Table 2.

Is every x -value paired with exactly one y -value? _____

If not, what x -value(s) are paired with more than one y -value?

5. Is the relation a function? Explain.

6. Graph the points from the Table 2. Draw a vertical line through each point of the graph. Does any vertical line touch more than one point?

x	y
-2	-3
1	4
0	5
1	2
2	3
3	5

