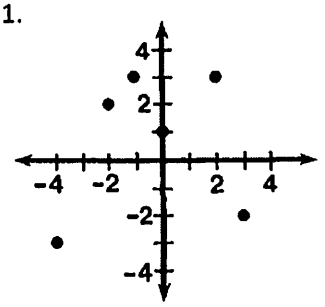
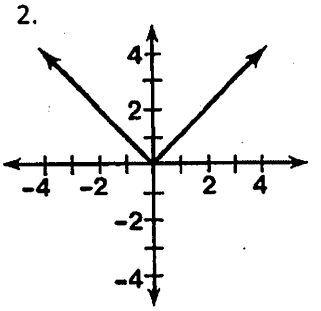
Practice 5-2b Name _____

Use the vertical line test to determine whether each graph is the graph of a function.

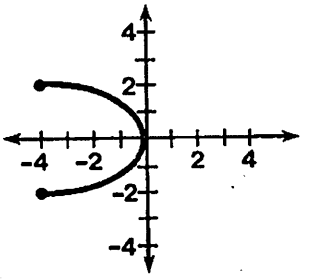
1.



2.



3.



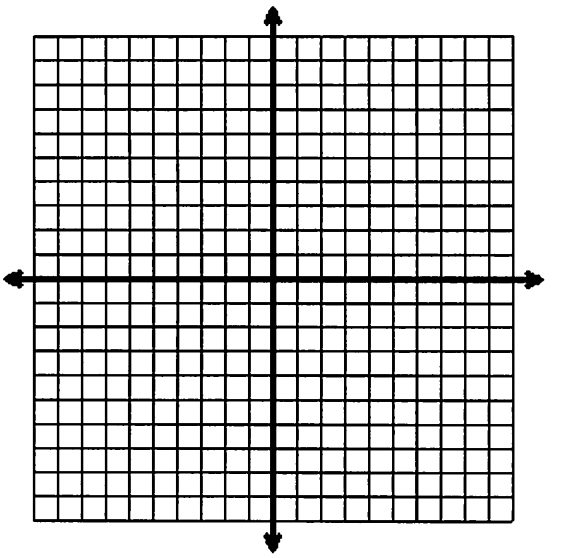
Determine whether each relation is a function. If the relation is a function, state the domain and range in brackets.

4.

x	y
2	−3
−1	−3
0	−3
5	−3

5.

x	y
9	6
3	8
4	9.5
9	2



Use a mapping diagram to determine whether each relation is a function

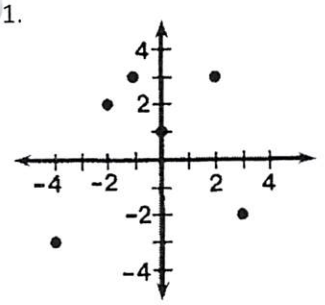
6. {(-5, 1), (-3, 6), (-8, 0), (3, 4), (-4, 0)}

7. {(-3, 2), (-3, -3), (-3, 9), (-3, 6), (-3, -1)}

Practice 5-2b Name Key

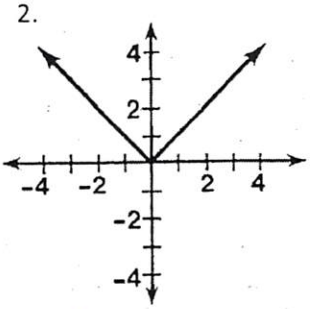
Use the vertical line test to determine whether each graph is the graph of a function.

1.



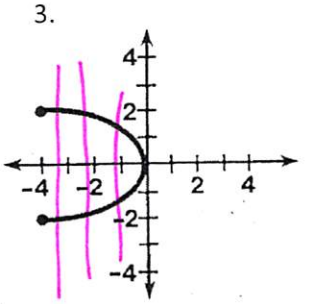
Yes
Function

2.



Yes
Function

3.



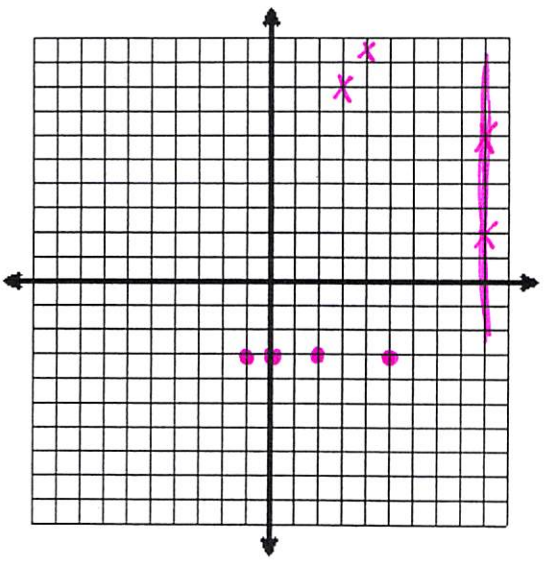
Not a
Function

Determine whether each relation is a function. If the relation is a function, state the domain and range in brackets.

4.

x	y
2	−3
−1	−3
0	−3
5	−3

Function
Domain: {-1, 0, 2, 5}
Range: {-3}



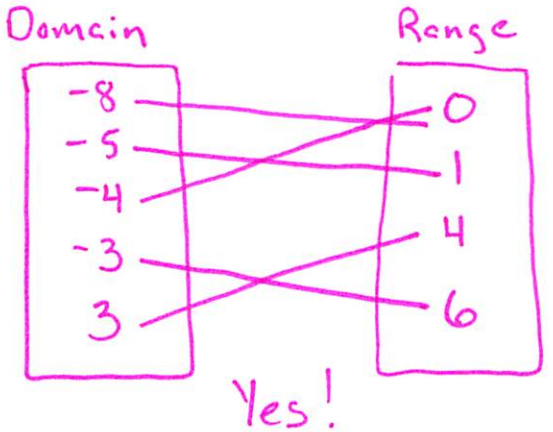
5.

x	y
9	6
3	8
4	9.5
9	2

Not a Function

Use a mapping diagram to determine whether each relation is a function

6. {(-5, 1), (-3, 6), (-8, 0), (3, 4), (-4, 0)}



7. {(-3, 2), (-3, -3), (-3, 9), (-3, 6), (-3, -1)}