LESSON 3: Functions and Relations HW Name Key Per **A B C D E F**

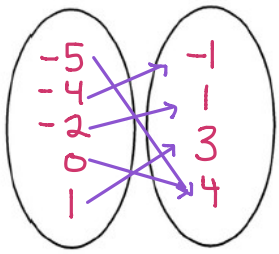
Find the domain and range, then represent as a table, mapping, and graph.

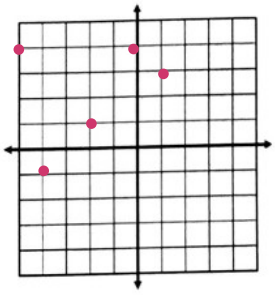
1. {(-5, 4), (-4, -1), (-2, 1), (0, 4), (1, 3)}

Domain = {-5, -4, -2, 0, 1}

Range = {-1, 1, 3, 4}

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



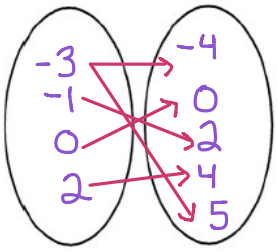


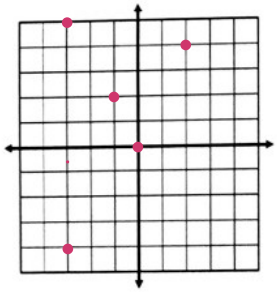
2. {(-3, -4), (-1, 2), (0,0), (-3, 5), (2, 4)}

Domain = {-3, -1, 0, 2}

Range = {-4, 0, 2, 4, 5}

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





Determine which of the following relations could represent functions.

3 {(-2, 6), (2, 0), (3, 6), (4, -1), (5, 3)}

FUNCTION

4 {(-3, 2), (-2, 2), (1, 2), (-3, 1), (0, 3)}

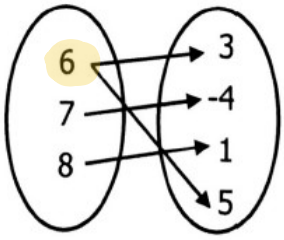
Not a Function

5

x	y
-2	-3
-1	0
5	5
4	3
-1	7

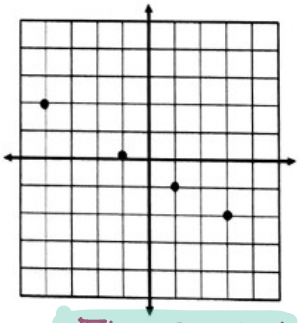
NOT A FUNCTION

6



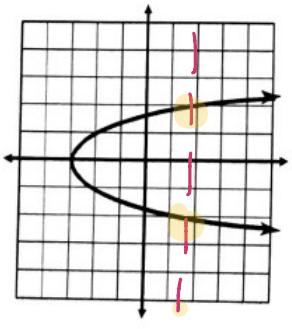
NOT A FUNCTION

7



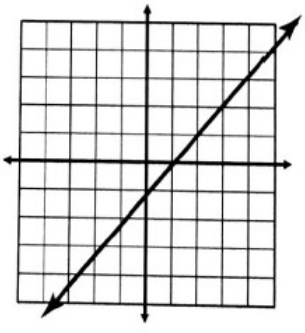
FUNCTION

8



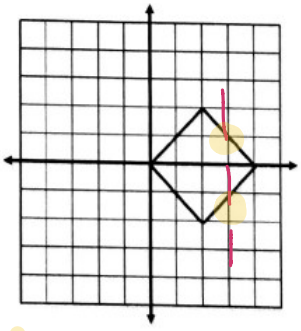
NOT A FUNCTION

9



FUNCTION

10



NOT A FUNCTION