**Secondary Math I** Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

8-1 Def. of a Function Homework Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class:\_\_\_\_\_\_\_\_\_\_

Tell whether each of the following relations represent a function. Why or why not?

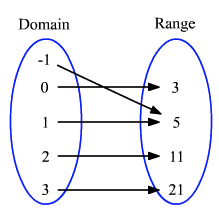
|  |  |
| --- | --- |
| X | Y |
| 1 | -1 |
| 0 | 9 |
| 3 | 7 |
| 1 | 4 |

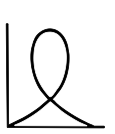
|  |  |
| --- | --- |
| X | Y |
| 0 | -3 |
| 1 | 7 |
| 2 | 9 |
| 3 | 11 |

1/2.

3. {(1,3), (2, 7), (0, 8), (1, 7)}

3.



4.  5.

6. Write the following ordered pairs in function notation and a mapping

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

7. Write the following as a table and graph them

f(-4)= -2, f(-2)=0, f(2)=2, f(5)= 4

8. Provide an example of a relation that is a function

9. Provide an example of a relation that is not a function