HW 1:

Name: Answer Key Date: 1/30/14 Period: _____

ERROR ANALYSIS TASK: A classmate finished his work quickly. His answers are below. Some of them are correct; some are incorrect. Identify which is which. Explain the mistakes he made on the incorrect answers.

Identify which of the following relations "is a function" or "is not a function".

a.

x	y
-3	-2
-3	7
2	1
4	6

YES – is a function

b.

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

YES – is a function

c.

x	y
-6	-1
-2	1
2	3
-6	9

NO – is NOT a function

d.

x	y
-2	-1
2	1
7	2
-7	-2

YES – is a function

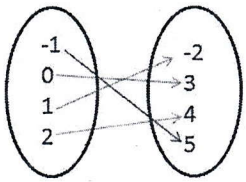
e. {(3, 1), (-3,-1) , (3,5) , (-2,4)}

YES – is a function

f. {(0,2) , (1,2) , (2,2) , (3,2) , (5,2)}

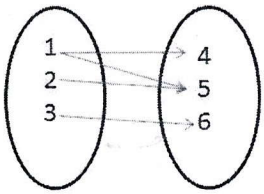
NO – is NOT a function

g.



YES – is a function

h.



NO – is NOT a function

a) Incorrect. It is not a function. The input, -3 has more than one output.

b) Correct. It is a function. Every input has only one output.

c) Correct. It is not a function. The input, -6 has more than one output.

d) Correct. It is a function. Every input has only one output.

e) Incorrect. It is not a function. The input, 3 has more than one output.

f) Incorrect. It is a function. Every input has only one output.

g) Correct. It is a function. Every input has only one output.

h) Correct. It is not a function. The input, 1 has more than one output.