Domain and Range & Function Notation

Identify the Domain and Range of the following relations. Determine if they are functions.

1.

x	f(x)
4	0
-6	0
-8	0
2	0

2.

x	y
7	1
-3	9
7	3
6	10

Domain: _____

Range: _____

Is the relation a function? Explain.

Domain: _____

Range: _____

Is the relation a function? Explain.

3. $(2,12), (3,-5), (6,-1), (2,11)$

Domain: _____

Range: _____

Is the relation a function? Explain.

4. $(4,1), (-3,1), (2,0), (5,11)$

Domain: _____

Range: _____

Is the relation a function? Explain.

5. The points are part of the function h(x). Answer the following questions.

$(0,9), (3,8), (9,-1), (8,11), (13,8)$

What is *h(9)*?

For what value(s) of *x* is *h(x)* = 8?

6. The points are part of the function j(x). Answer the following questions.

$(6,2), (0,10), (-3,7), (13,0), (10,1)$

What is *h(10)*?

For what value(s) of *x* is *h(x)* = 0?