Functions Review

Use the relation $\{(4,6), (2,8), (-1,9), (2,9), (4,-7)\}$ to answer questions 1-4.

- 1) What is the range of this relation?
- 2) Draw a mapping diagram for this relation. (2 points)

- 3) Is this relation a function? Why or why not. (2 points)
- 4) What is the domain of this relation?

Use the function f(x) = -5x + 7 to answer questions 5 & 6.

5) Find f(4)

6) Find f(-8)

Use the relation {(6,-3), (-2,9), (2,4), (9,1), (7,-4)} to answer questions 7 - 10.

7) Find f(2)

8) If f(x) = -4 what is *x*?

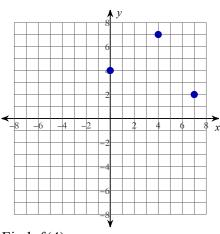
9) If f(x) = -3, what is *x*?

10) If f(x) = 1, what is x?

14) If f(x) = 2, find x.

Use the graph of f(x), below, to answer questions 13 & 16.

13)



Find f(4)

15) If f(x) = 4, find x.

16) Find f(7)