

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 ?

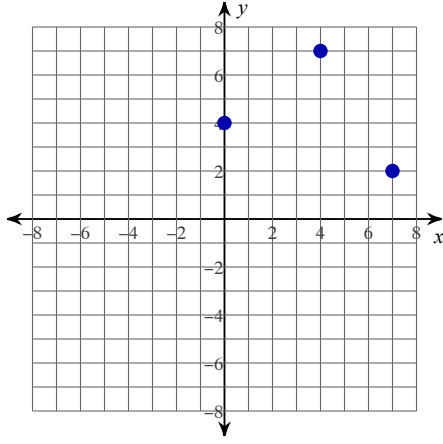
10) If $f(x) = 1$, what is x ?

11) What ordered pair $f(3) = 2$?

12) Which represents $f(-1) = 9$?

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

13)



Find $f(4)$

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

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

16) Find $f(7)$