Name Period

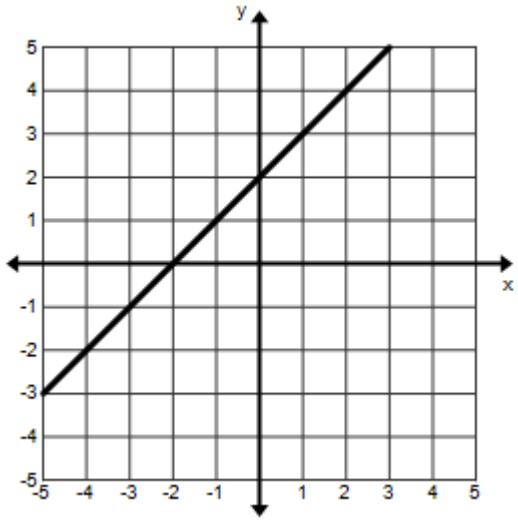
Sec1

HW 4-2
Function Notation

1. Given the table below, what is $f(-1)$?

x	$f(x)$
-2	0
-1	9
0	4
1	-1

2. Given the graph below, what is $f(1)$?



3. Given the table below, what is $f(2)$?

x	$f(x)$
-2	0
-1	4
0	-1
1	2
2	7

4. Evaluate the function $f(x) = x^4 + 8$ given the inputs $\{-2, -1, 0, 3\}$.

5. Evaluate the function $f(x) = -2x - 7$ given the inputs $\{-2, -1, 0, 3\}$.

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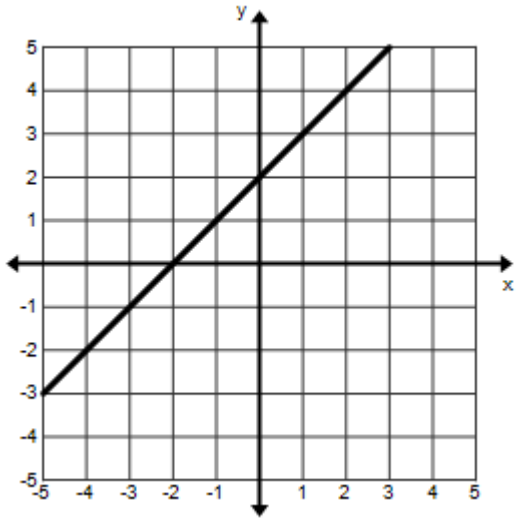

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Use $f(x) = 2x^2 - 4$ and $g(x) = 5x + 12$ to answer each of the following.

6. $f(4) =$

7. $g(-100) =$

8. $f(-3) =$

9. $g(4.2) =$

10. $g(4) =$

11. $g(x) = 42 \quad x =?$

Answers:

-488	-13	-7	-5	-3	3	6	7	8	9
9	14	24	28	32	33	89			

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