

Average Rate of Change and Function Notation #1

Use the graph and table to find the following

1. $f(-1) =$ _____

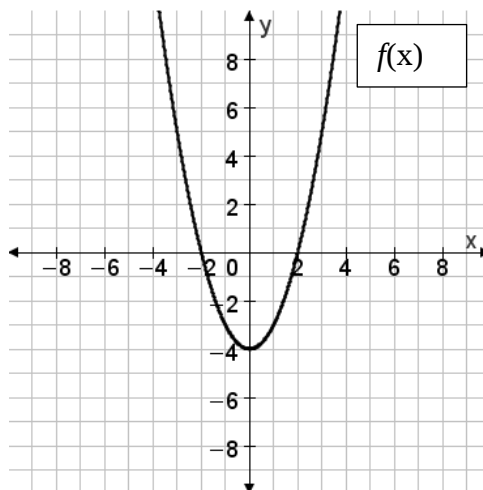
2. $g(-1) =$ _____

3. $g(0) =$ _____

4. If $g(x) = -3$, $x =$ _____,

5. If, $f(x) = -4$, $x =$ _____,

6. If, $g(x) = 1$, $x =$ _____



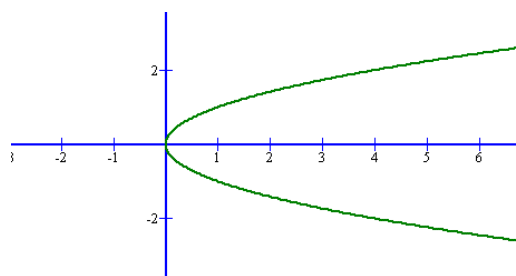
x	$g(x)$
-3	8
-1	1
0	4
1	2
3	-3

For the following determine if they are a function or a relation

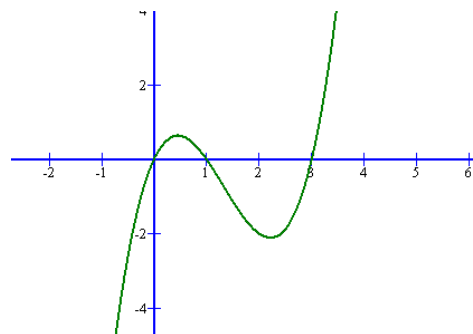
7. $(3, 5), (5, 3), (2, 5), (1, 6), (7, 3)$

8. $(0, -2), (-2, 4), (6, 1), (2, 8), (-2, -4)$

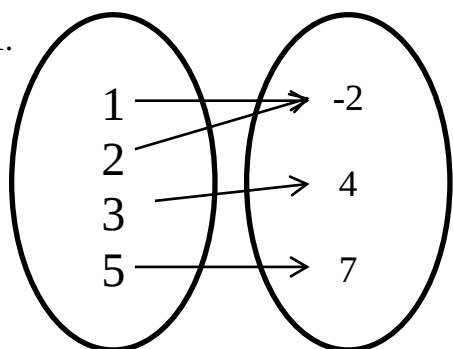
9.



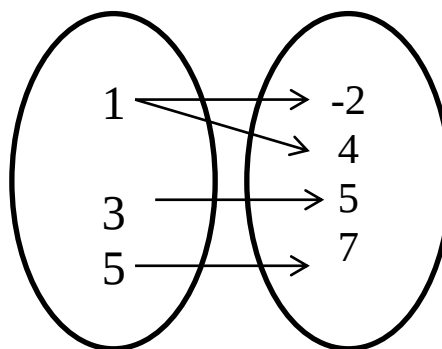
10.



11.



12.



FLIP TO BACK!

Find the average rate of change for each of the following. Answers must be simplified fractions.

13. (0, 5) and (-1, 4)

14. (-2, 1) and (3, -1)

15. (-5, -2) and (0, 12)

16. (6, 4) and (3, -2)

17. (7, -5) and (2, -5)

18. (18, 10) and (6, -2)