

Directions: The following tables give values of several polynomial functions. Determine the degree of each polynomial.

1.

x	$f(x)$
1	5
4	7
7	4
10	-2
13	-9
16	-15

2.

x	$g(x)$
-3	3
-1	4
1	4
3	3
5	1
7	-2

3.

x	$h(x)$
1	-7
2	-3
3	1
4	6
5	13
6	23

4.

x	$k(x)$
-4	12
-2	7
0	2
2	-3
4	-8
6	-13

5.

x	$p(x)$
0	-7
4	-5
8	-7
12	-8
16	-5
20	3

6.

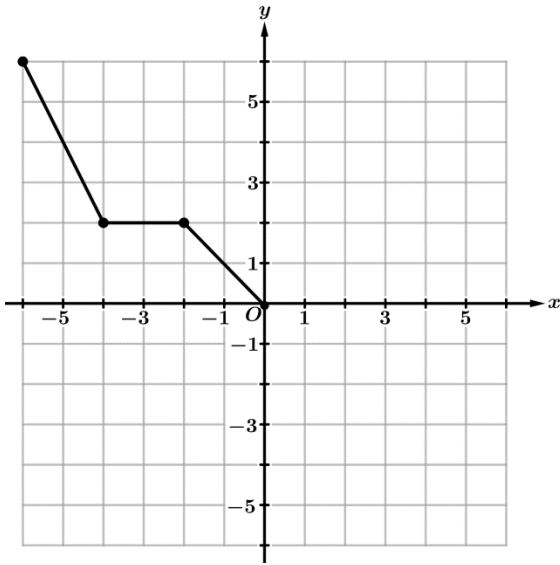
x	$M(x)$
-2	40
-1	22
0	9
1	1
2	-2
3	0

x	a	-4	-1	1	b	12	17
$g(x)$	-17	-11	$a+b$	c	11	17	23

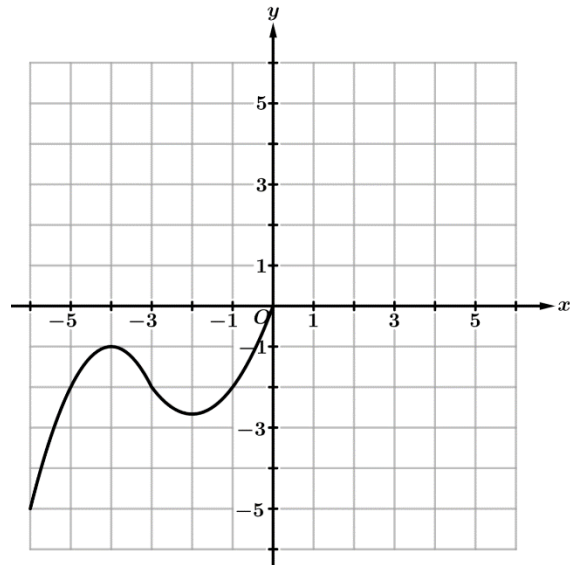
7. Let g be an odd function that is strictly increasing. Selected values of $g(x)$ are given in the table above. Find the values of the constants a , b , and c .

Directions: The graphs of two **odd** functions are given below on the interval $-6 \leq x \leq 0$. Use properties of odd functions to sketch the graph of each function on the interval $0 \leq x \leq 6$.

8.

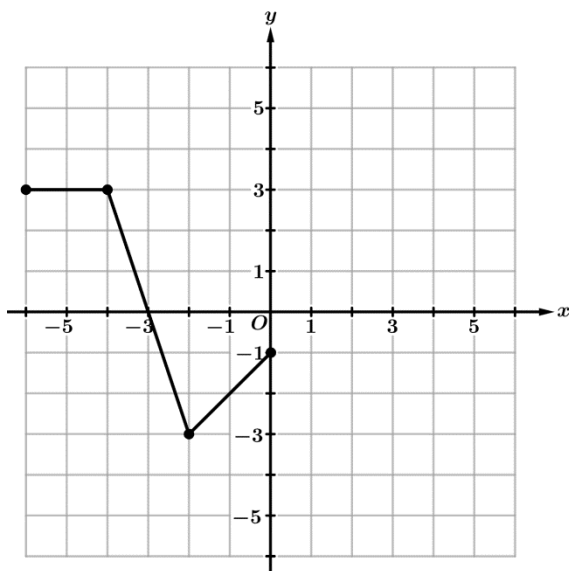


9.



Directions: The graphs of two **even** functions are given below on the interval $-6 \leq x \leq 0$. Use properties of even functions to sketch the graph of each function on the interval $0 \leq x \leq 6$.

10.



11.

