Even & Odd Functions · 1

$f(x) = 4x^6 + x^4 - 3x^2$. Is it even, odd or neither?

Even & Odd Functions · 2

$f(x) = 3^x$. Is it even, odd or neither?

Even & Odd Functions · 3

The table shows values of f. Is it even, odd or neither?

x	?3	?2	?1	0	1	2	3
f(x)	30	10	2	0	?2	?10	?30

Even & Odd Functions · 4

f is an even function and g is an even function. Is $h(x) = \frac{f}{g}(x)$ even, odd or neither?

Even & Odd Functions · 5

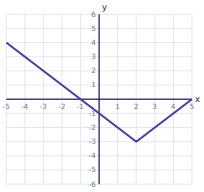
$f(x) = -5x^6 - 6x^4 - 3$. Is it even, odd or neither?

Even & Odd Functions · 6

$f(x) = 3x|x|$. Is it even, odd or neither?

Even & Odd Functions · 7

Look at the graph of f. Is it even, odd or neither?



Even & Odd Functions · 8

f is an odd function and g is an even function. Is $h(x) = f(x) \cdot g(x)$ even, odd or neither?

Even & Odd Functions · 2

ANSWER

neither

Even & Odd Functions · 1

ANSWER

even

Even & Odd Functions · 4

ANSWER

even

Even & Odd Functions · 3

ANSWER

odd

Even & Odd Functions · 6

ANSWER

odd

Even & Odd Functions · 5

ANSWER

even

Even & Odd Functions · 8

ANSWER

odd

Even & Odd Functions · 7

ANSWER

neither

Even & Odd Functions · 9

$f(x) = -x^6 + 5x^5 + 5$. Is it even, odd or neither?

Even & Odd Functions · 10

$f(x) = \frac{5}{x - 4}$. Is it even, odd or neither?

Even & Odd Functions · 11

The table shows values of f. Is it even, odd or neither?

x	?3	?2	?1	0	1	2	
f(x)	?21	?11	?5	?3	?5	?11	?

Even & Odd Functions · 12

g is an even function. Is $h(x) = [g(x)]^2$ even, odd or neither?

Even & Odd Functions · 13

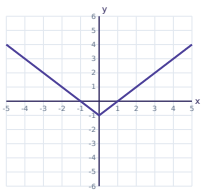
$f(x) = -5x^5 - x^3 + 6x$. Is it even, odd or neither?

Even & Odd Functions · 14

$f(x) = 4x|x|$. Is it even, odd or neither?

Even & Odd Functions · 15

Look at the graph of f. Is it even, odd or neither?



Even & Odd Functions · 16

f is an odd function and g is an odd function. Is $h(x) = f(g(x))$ even, odd or neither?

Even & Odd Functions · 10

ANSWER

neither

Even & Odd Functions · 9

ANSWER

neither

Even & Odd Functions · 12

ANSWER

even

Even & Odd Functions · 11

ANSWER

even

Even & Odd Functions · 14

ANSWER

odd

Even & Odd Functions · 13

ANSWER

odd

Even & Odd Functions · 16

ANSWER

odd

Even & Odd Functions · 15

ANSWER

even

$f(x) = 4x^6 - 4x^5 - x^2$. Is it even, odd or neither?

The table shows values of f. Is it even, odd or neither?

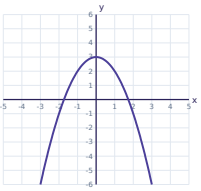
x	?3	?2	?1	0	1	2	3
f(x)	?7	?2	1	2	1	?2	?7

f is an odd function and g is an odd function. Is $h(x) = f\overline{g}(x)$ even, odd or neither?

$f(x) = -2x^5 - 5x^3 - 3x$. Is it even, odd or neither?

$f(x) = 5x|x|$. Is it even, odd or neither?

Look at the graph of f. Is it even, odd or neither?



g is an odd function. Is $h(x) = [g(x)]^2$ even, odd or neither?

$f(x) = -5x^6 - 6x^3 - 1$. Is it even, odd or neither?

Even & Odd Functions · 18

ANSWER

even

Even & Odd Functions · 17

ANSWER

neither

Even & Odd Functions · 20

ANSWER

odd

Even & Odd Functions · 19

ANSWER

even

Even & Odd Functions · 22

ANSWER

even

Even & Odd Functions · 21

ANSWER

odd

Even & Odd Functions · 24

ANSWER

neither

Even & Odd Functions · 23

ANSWER

even