Task card 1 Even & Odd Functions

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

Task card 2 Even & Odd Functions

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

Task card 3 Even & Odd Functions

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

Task card 4 Even & Odd Functions

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

Task card 5 Even & Odd Functions

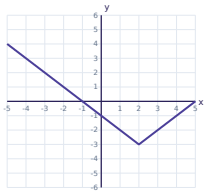
$f(x) = -5x^6 - 6x^4 - 3$. Is it even, odd or neither?

Task card 6 Even & Odd Functions

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

Task card 7 Even & Odd Functions

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



Task card 8 Even & Odd Functions

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

Task card 9 Even & Odd Functions

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

Task card 10 Even & Odd Functions

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

Task card 11 Even & Odd Functions

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

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

Task card 12 Even & Odd Functions

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

Task card 13 Even & Odd Functions

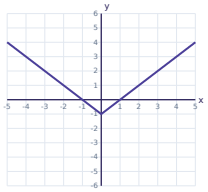
$f(x) = -5x^5 - x^3 + 6x$. Is it even, odd or neither?

Task card 14 Even & Odd Functions

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

Task card 15 Even & Odd Functions

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



Task card 16 Even & Odd Functions

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

Task card 17 Even & Odd Functions

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

Task card 18 Even & Odd Functions

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

Task card 19 Even & Odd Functions

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

Task card 20 Even & Odd Functions

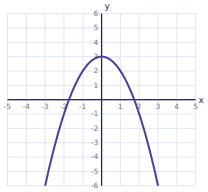
$f(x) = -2x^5 - 5x^3 - 3x$. Is it even, odd or neither?

Task card 21 Even & Odd Functions

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

Task card 22 Even & Odd Functions

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



Task card 23 Even & Odd Functions

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

Task card 24 Even & Odd Functions

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

Even & Odd Functions Task Cards

Recording sheet · Grade 11 · Write even, odd or neither, or answer the question.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Even & Odd Functions Task Cards: Answer Key

Grade 11 · Hard

The answers online

1. even	**2.** neither	**3.** odd
4. even	**5.** even	**6.** odd
7. neither	**8.** odd	**9.** neither
10. neither	**11.** even	**12.** even
13. odd	**14.** odd	**15.** even
16. odd	**17.** neither	**18.** even
19. even	**20.** odd	**21.** odd
22. even	**23.** even	**24.** neither