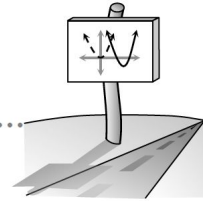


2.1.2 I even find that odd.

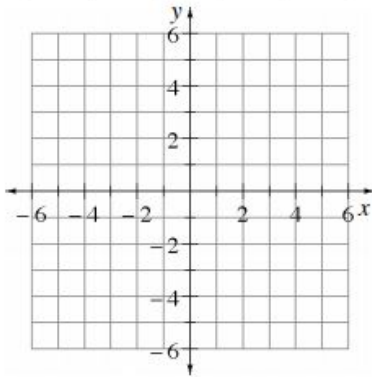
Even and Odd Functions



#17

$f(x) = x$

x	-3	-2	-1	0	1	2	3
$f(x)$							

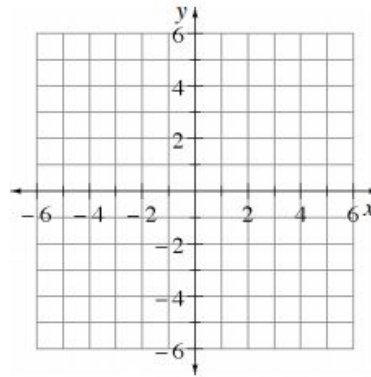


$f(-x) =$ _____

$-f(x) =$ _____

$f(x) = x^2$

x	-3	-2	-1	0	1	2	3
$f(x)$							

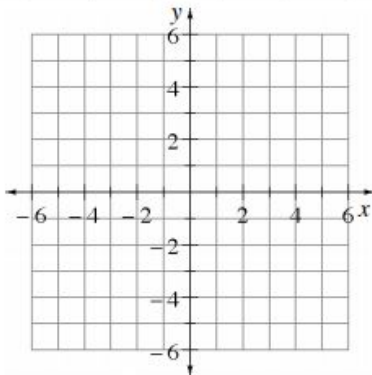


$f(-x) =$ _____

$-f(x) =$ _____

$f(x) = x^3$

x	-3	-2	-1	0	1	2	3
$f(x)$							

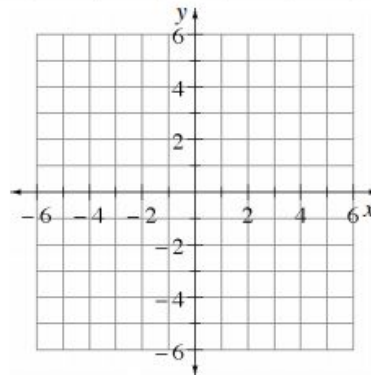


$f(-x) =$ _____

$-f(x) =$ _____

$f(x) = 2^x$

x	-3	-2	-1	0	1	2	3
$f(x)$							



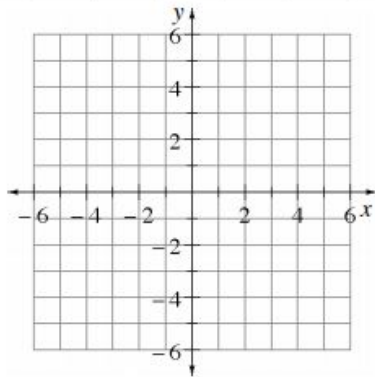
$f(-x) =$ _____

$-f(x) =$ _____

#17 Continued

$$f(x) = \frac{1}{x}$$

x	-3	-2	-1	0	1	2	3
$f(x)$							

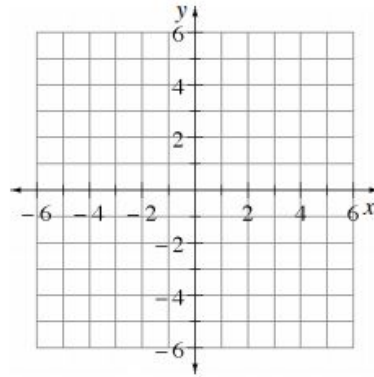


$$f(-x) = \underline{\hspace{2cm}}$$

$$-f(x) = \underline{\hspace{2cm}}$$

$$f(x) = |x|$$

x	-3	-2	-1	0	1	2	3
$f(x)$							

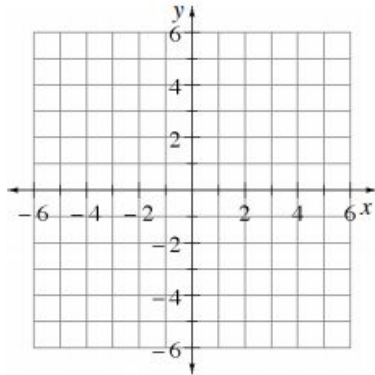


$$f(-x) = \underline{\hspace{2cm}}$$

$$-f(x) = \underline{\hspace{2cm}}$$

$$f(x) = \sqrt{x}$$

x	-3	-2	-1	0	1	2	3
$f(x)$							

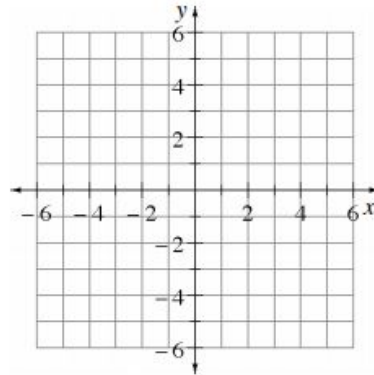


$$f(-x) = \underline{\hspace{2cm}}$$

$$-f(x) = \underline{\hspace{2cm}}$$

$$f(x) = \sqrt[3]{x}$$

x	-3	-2	-1	0	1	2	3
$f(x)$							



$$f(-x) = \underline{\hspace{2cm}}$$

$$-f(x) = \underline{\hspace{2cm}}$$

#17 Continued

Work with your team to sort all of the parent functions into groups and justify your groupings.

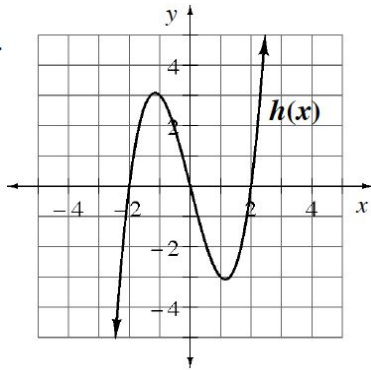
#18

a. Even functions:

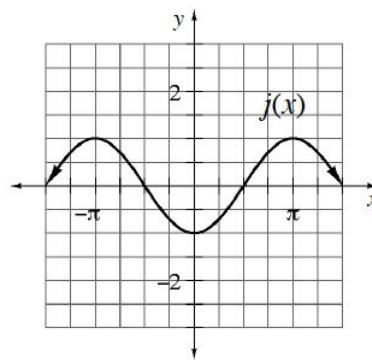
b. Odd functions:

#19 Take a look at some different representations of functions.
 Are each of the following functions even, odd, or neither? Justify your answers.

a.



b.



c.

x	-3	-2	-1	0	1	2	3
$f(x)$	16	12	8	4	0	4	8

d.

$$m(x) = |x^3|$$

e.

x	-3	-2	-1	0	1	2	3
$g(x)$	-2187	-128	-1	0	1	128	2187