

## Examples:

If  $g$  is an odd function, what is  $g(0)$ ?  $g(-x) = -g(x)$

$$g(-0) = -g(0) \rightarrow g(0) = -g(0) \rightarrow \text{So } g(0) = 0.$$

If  $g$  is an even function, what is  $g(0)$ ?  $g(-x) = g(x)$

$$g(-0) = g(0) \rightarrow g(0) = g(0) \rightarrow \text{So } g(0) = \text{any value.}$$

**Complete the table if  $f$  is an even function.**

$x$	-3	-2	-1	0	1	2	3
$f(x)$	21		-25			-12	

**Complete the table if  $f$  is an odd function.**

$x$	-5	-3	-2	0	2	3	5
$f(x)$	13		-5			-1	