

# Functions

## Problem

Suppose  $f$  is a function for which  $-f(-x) = f(x)$  for every real number  $x$ .  
Then:

- (a)  $f$  is an odd function.
- (b)  $f$  is an even function.
- (c)  $f$  is both even and odd.
- (d)  $f$  is neither even nor odd.

Answer: (a) Odd function. This is a simple problem, but it helps assess whether students memorize or actually understand the defining condition of an odd function.